

**R E P O R T**

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***Pre-Design Investigation Report for the  
Former Oxbow Areas  
A and C Removal Action***

***Volume II of III***

**General Electric Company  
Pittsfield, Massachusetts**

**August 2003**

**BBL**<sup>®</sup>  
BLASLAND, BOUCK & LEE, INC.  
engineers & scientists

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# *Appendix A*

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## **Soil Boring Logs**



Date Start/Finish: 5/8/03  
 Drilling Company: NA  
 Driller's Name: NA  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531227.3923  
 Easting: 129911.1657  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 989.84'  
 Descriptions By: AMB

Boring ID: BH000988  
 Client: General Electric Company  
 Location: Parcel 18-23-7 Adjacent to  
 Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	990							
		1	0-1		0.0		Brown fine to medium SAND and GRAVEL.	Borehole backfilled with Bentonite.
		2	1-3	3.0	0.0		Brown fine SAND, trace Gravel.	
		3	3-4		0.0			
5	985	4	4-6		0.0			
		5	6-8	4.0	0.0			
		6	8-10		0.0		Some medium Sand, moist below 9.5' bgs.	
10	980	7	10-12	3.5	0.0		Brown SILT, trace fine to medium Gravel, wet.	
		8	12-14		0.0		Brown SILT, wet.	
		9	14-15	3.0	0.0			
15	975							



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 All soil sample analysis and handling of soil cuttings was performed by EPA.

Date Start/Finish: 5/8/03 Drilling Company: NA Driller's Name: NA Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 531178.0492 Easting: 129907.4648 Casing Elevation: NA  Borehole Depth: 15' below grade Surface Elevation: 980.67'  Descriptions By: AMB	Boring ID: BH000989  Client: General Electric Company  Location: Parcel I8-23-7 Adjacent to Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	980	1	0-1		NA		Brown SAND and GRAVEL. Brown fine to coarse SAND and fine to medium GRAVEL.	Borehole backfilled with Bentonite.
		2	1-3	3.5	NA			
		3	3-4		NA			
5		4	4-5		NA			
	975	5	6-8	3.0	NA			
		6	8-10		NA		Brown fine to medium SAND, moist.	
10		7	10-12	3.0	NA			
	970	8	12-14		NA		Brown SILT, saturated.	
		9	14-15	3.0	NA			
15								
	965							

<h1 style="margin: 0;">BBL</h1> <p style="margin: 0;">BLASLAND, BOUCK &amp; LEE, INC. <i>engineers &amp; scientists</i></p>	<p><b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. All soil sample analysis and handling of soil cuttings was performed by EPA.</p>
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Date Start/Finish: 5/8/03  
 Drilling Company: NA  
 Driller's Name: NA  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531138.0992  
 Easting: 129901.1649  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 991.60'  
 Descriptions By: AMB

Boring ID: BH000990  
 Client: General Electric Company  
 Location: Parcel 18-23-7 Adjacent to  
 Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headpace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0								
	990	1	0-1		0.0		Dark brown fine SAND and SILT. Brown fine SAND.	Borehole backfilled with Bentonite.
		2	1-3	3.5	0.0			
		3	3-4		0.0			
5		4	4-6		0.0		Brown-gray mottled fine SAND, trace fine to medium Gravel.	
	985	5	6-8	3.0	0.0		Brown fine to coarse SAND and fine to medium GRAVEL.	
		6	8-10		0.0			
10		7	10-12	3.5	0.0		Brown SILT, trace fine Sand and Clay.	
	980	8	12-14		0.0			
		9	14-15		0.0		Brown SILT and fine to medium GRAVEL.	
15								












Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 All soil sample analysis and handling of soil cuttings was performed by EPA.

Date Start/Finish: 5/8/03  
 Drilling Company: NA  
 Driller's Name: NA  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4" Macrocore

Northing: 532014.243  
 Easting: 130831.0013  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 978.22'  
 Descriptions By: AMB

Boring ID: BH000991  
 Client: General Electric Company  
 Location: Parcel I9-5-2 Adjacent to  
 Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980								
		1	0-1	0.0			Dark brown fine SAND and Organic Material. [TOPSOIL]	Borehole backfilled with Bentonite.
		2	1-3	2.5	0.0		Brown fine to medium SAND, trace Organic Material and fine to medium Gravel.	
975		3	3-4	0.0			Dark brown SILT, Peat, Till.	
		4	4-6	0.0			Dark brown fine SAND and fine to medium GRAVEL.	
5		5	6-8	0.0	2.9		Dark brown fine SAND, Organic Material.	
		6	8-10	0.0			Dark gray-brown fine SAND and SILT, wet.	
10		7	10-12	0.0	3.5		Brown fine SAND, some Silt.	
		8	12-14	0.0	3.0		Brown fine to medium SAND, little Silt.	
965		9	14-15	0.0				
15								













Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 All soil sample analysis and handling of soil cuttings was performed by EPA.

Date Start/Finish: 5/8/03  
 Drilling Company: NA  
 Driller's Name: NA  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531975.1068  
 Easting: 130843.4923  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 984.26'  
 Descriptions By: AMB

Boring ID: BH000992  
 Client: General Electric Company  
 Location: Parcel I9-5-2 Adjacent to  
 Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1		0.0		Dark brown fine SAND and Organic Material. [TOPSOIL].	 <p>Borehole backfilled with Bentonite.</p>
		2	1-3	2.7	0.0		Tan fine SAND and SILT, Organic Material.	
		3	3-4		0.0			
980		4	4-6		0.0		Brown fine to medium SAND, some coarse Sand and Gravel.	
5		5	6-8	3.8	0.0			
		6	8-10		0.0		Gray-brown fine to medium SAND, some Silt, little fine Gravel.	
		7	10-12	4.0	0.0		Gray fine SAND and SILT, saturated.	
975		8	12-14		0.0		Gray-brown fine to medium SAND, some Silt.	
		9	14-15	3.0	0.0		Gray-brown fine to coarse SAND, saturated.	
970								
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 All soil sample analysis and handling of soil cuttings was performed by EPA.

Date Start/Finish: 5/8/03  
 Drilling Company: NA  
 Driller's Name: NA  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531934.8477  
 Easting: 130793.5273  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 971.21'  
 Descriptions By: AMB

Boring ID: BH000993  
 Client: General Electric Company  
 Location: Parcel 19-5-2 Adjacent to  
 Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0								
	970	1	0-1		0.0		Dark brown fine SAND and SILT. [TOPSOIL]	Borehole backfilled with Bentonite.
		2	1-3	2.5	0.0		Dark brown fine SAND, Organic Material.	
		3	3-4		0.0			
5		4	4-6		0.0		Light brown fine to medium SAND, SILT, and fine GRAVEL.	
	965	5	6-8	2.5	0.0			
		6	8-10		0.0		Brown fine to coarse SAND and fine to medium Gravel, saturated.	
10		7	10-12	3.0	0.0			
	960	8	12-14		0.0		Brown coarse SAND and fine GRAVEL, saturated.	
		9	14-15	3.0	0.0			
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 All soil sample analysis and handling of soil cuttings was performed by EPA.



<b>Date Start/Finish:</b> 3/31/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Truck Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 532143.8829 <b>Easting:</b> 130310.4294 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 983.899  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-C17  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.1		Brown fine to coarse SAND, some fine to coarse Gravel, Slag. [FILL]	
990		2	1-3	2.1	0.1			
		3	3-4		0.0			
5		4	4-6		0.0		Brown-orange pulverized STONE.	
				2.8			Dark brown-black fine to medium SAND, some Silt, wet	
985		5	6-8		0.0			
		6	8-10		0.0		Brown fine to medium SAND, some Silt, wet.	
10		7	10-12		0.0			
				3.2				
980		8	12-14		0.0	Brown fine to medium SAND, some Silt, wet.		
		9	14-15		0.5	Black fine to coarse SAND, petroleum odor, wet.		
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs;  
 6-10': PCBs; 10-15': PCBs.


<b>Date Start/Finish:</b> 3/31/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Truck Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 532168.8263 <b>Easting:</b> 130410.3907 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 983.9289  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-C19  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0	[Dotted pattern]	Dark brown-gray fine to medium SAND, some fine to coarse Gravel.	Borehole backfilled with Bentonite.
	990	2	1-3	2.4	0.0			
		3	3-4		0.0			
5		4	4-6		0.0	[Dotted pattern]	Brown fine SAND, trace Silt, Brick. [FILL]	
				2.7				
	985	5	6-8		0.0	[Dotted pattern]	Brown fine SAND, some Silt, moist.	
		6	8-10		0.0			
10		7	10-12		0.0	[Dotted pattern]	Brown fine SAND and SILT, trace Peal, wet.	
	980	8	12-14		0.0			
		9	14-15		0.0	[Dotted pattern]	Gray fine to mediant SAND, wet.	
15								

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.
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<b>Date Start/Finish:</b> 4/1/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Truck Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 532174.1173 <b>Easting:</b> 130498.6792 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 981.5938  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-C21  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0	[Dotted pattern]	Gray fine SAND, little Silt, some fine to medium Gravel, Concrete.	 Borehole backfilled with Bentonite.
		2	1-3	2.0	0.0			
990		3	3-4		0.0			
		4	4-6		0.0	[Dotted pattern]	Gray-grown fine SAND, trace SILT, some fine to medium Gravel, Concrete, Brick, Coal Ash.	
5				3.0				
		5	6-8		0.0			
985							Red BRICK.	
		6	8-10		0.0		Pulverized SAND.	
							Brown fine SAND, little Silt, moist.	
10		7	10-12		0.0	[Dotted pattern]		
				2.8				
		8	12-14		0.0			
980							Gray fine to medium SAND, wet.	
		9	14-15		0.0			
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs; 6-10': PCBs; 10-15': VOCs, SVOCs, Inorganics, PCDD/PCDF.

Date Start/Finish: 4/2/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532175.8146 Easting: 130710.9983 Casing Elevation: NA  Borehole Depth: 15' below grade Surface Elevation: 978.31'  Descriptions By: AMB	Boring ID: RAA11-C25 Client: General Electric Company Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980								
0		1	0-1		0.0	[Patterned Geologic Column]	Dark brown fine SAND and SILT, some fine to medium Gravel and Organic Material, moist.	Borehole backfilled with Bentonite.
		2	1-3	2.6	0.0			
975		3	3-4		0.0			
		4	4-6		0.0	[Patterned Geologic Column]	Orange-gray fine SAND and SILT, trace medium Sand (varved appearance).	
5		5	6-8	4.0	0.0			
		6	8-10		0.0	[Patterned Geologic Column]	Moist at 8.0' bgs.	
970		7	10-12	4.0	0.0			
		8	12-14		0.0			
965		9	14-15	3.0	0.0			
							Gray fine to medium SAND, some Silt, wet.	
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 6-10': PCBs; 10-15': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs.

Date Start/Finish: 3/31/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Truck Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532123.9739 Easting: 130310.3683 Casing Elevation: NA  Borehole Depth: 15' below grade Surface Elevation: 984.5508  Descriptions By: AMB	Boring ID: RAA11-D17  Client: General Electric Company  Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction	
995									
0		1	0-1		0.4		Gray-brown fine to medium SAND, some fine to coarse Gravel, Brick, Slag. [FILL]	Borehole backfilled with Bentonite.	
990		2	1-3	3.0	0.4				
		3	3-4		0.2				
5		4	4-6		0.0				Brown fine to medium SAND, little fine to medium Gravel, Brick, Concrete. [FILL]
				2.7					
985		5	6-8		0.0				Brown fine SAND, some Silt, petroleum odor, wet.
		6	8-10		0.0				
10		7	10-12		8.0				Gray-black fine to medium SAND, petroleum odor, wet.
				2.1					
980		8	12-14		8.4				
				3.0		Gray-black fine to medium SAND, petroleum odor, wet.			
		9	14-15		8.1				
15									



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 10-15': VOCs, SVOCs, Inorganics, PCDD/PCDF.  
 Duplicate sample ID: RAA11-DUP-5 (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 0-1').

<b>Date Start/Finish:</b> 3/31/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Truck Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 532124.4059 <b>Easting:</b> 130360.3481 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 6' below grade <b>Surface Elevation:</b> 984.3515  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-D18  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sampler/int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0								
		0-1					Dark brown fine to medium SAND, some fine to coarse Gravel, Slag. [FILL]	Borehole backfilled with Bentonite.
990		2	1-3	2.0	0.0			
		3	3-4		0.0		Pulverized CONCRETE.	
5		4-6			0.0		Brown-gray fine to medium SAND, some fine to coarse Gravel, Concrete.	
985								
10								
980								
15								

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 3-6': Inorganics
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Date Start/Finish: 4/1/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Truck Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 532115.6528  
 Easting: 130644.5921  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 979.5232  
 Descriptions By: AMB

Boring ID: RAA11-D24  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0		Dark brown fine SAND, trace Silt, some fine Gravel.	Borehole backfilled with Bentonite.
990		2	1-3	2.0	0.0		Powdered CONCRETE. Red pulverized BRICK.	
		3	3-4		0.0			
5		4	4-6		0.0		Brown fine SAND, some Silt, moist.	
				2.0				
985		5	6-8		0.0		Gray-black fine to medium SAND, wet.	
		6	8-10		0.0			
10		7	10-12		0.0			
				2.4				
980		8	12-14		0.0		Gray-brown fine to coarse SAND, trace SILT, wet.	
				3.0				
15		9	14-15		0.0		Black fine SAND and SILT, wet.	



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 10-15': Sulfide.

<b>Date Start/Finish:</b> 3/28/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 532074.1192 <b>Easting:</b> 130120.047 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 983.2866  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-E13  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0	[Dotted pattern]	Brown fine to medium SAND, trace coarse Sand, some fine to coarse Gravel, trace Brick.	Borehole backfilled with Bentonite.
990		2	1-3	2.7	0.0			
		3	3-4		0.0			
5		4	4-6		0.2	[Dotted pattern]	Brown fine to medium SAND, some fine to coarse Gravel and Brick.	
				2.2				
985		5	6-8		0.8	[Dotted pattern]	Dark brown fine SAND and SILT, moist.	
		6	8-10		0.4			
10		7	10-12		0.0			
980		8	12-14		0.0	[Dotted pattern]	Gray-brown fine to medium SAND, wet.	
		9	14-15		0.0			3.0
15								




**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 10-15': PCBs.



<b>Date Start/Finish:</b> 3/28/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 532073.9722 <b>Easting:</b> 130210.3428 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 8' below grade <b>Surface Elevation:</b> 984.6195  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-E15  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
		1	0-1		0.0		Dark brown fine SAND, some fine to coarse Gravel, Brick, trace Silt, moist.	
990		2	1-3	2.1	0.0			
			3-4		0.0			
5			4-6		0.0		Dark brown fine SAND, some Silt, little fine to medium Gravel and Brick.	
985		5	6-8	1.2	0.0		COBBLE.	
							Refusal at 8.0' bgs due to Cobble.	
10								
980								
15								

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs; 6-10': PCBs. Duplicate sample ID: RAA11-DUP-4 (PCBs; 3-6'). MS/MSD collected (Pest./Herb.; 0-1').
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Date Start/Finish: 3/31/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Truck Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532074.0847 Easting: 130310.3244 Casing Elevation: NA  Borehole Depth: 15' below grade Surface Elevation: 985.062  Descriptions By: AMB	Boring ID: RAA11-E17  Client: General Electric Company  Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
		1	0-1		0.4	[Dotted pattern]	Dark brown fine SAND, trace medium Sand, some fine to coarse Gravel, Slag, moist.	Borehole backfilled with Bentonite.
990		2	1-3		0.2			
		3	3-4		0.0			
		4	4-6	2.1	0.0	Gray-brown fine to medium SAND, some fine to coarse Gravel.		
985			6-8		0.0	[Dotted pattern]	Gray-brown fine to medium SAND, some fine to coarse Gravel, petroleum odor, moist.	
		6	8-10	3.2	4.1			
		7	10-12		2.7			
980		8	12-14	3.0	0.4	Gray-brown fine to medium SAND, wet.		
		9	14-15		0.2			
15								

<h1>BBL</h1> <p>BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs. MS/MSD collected (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 0-1').
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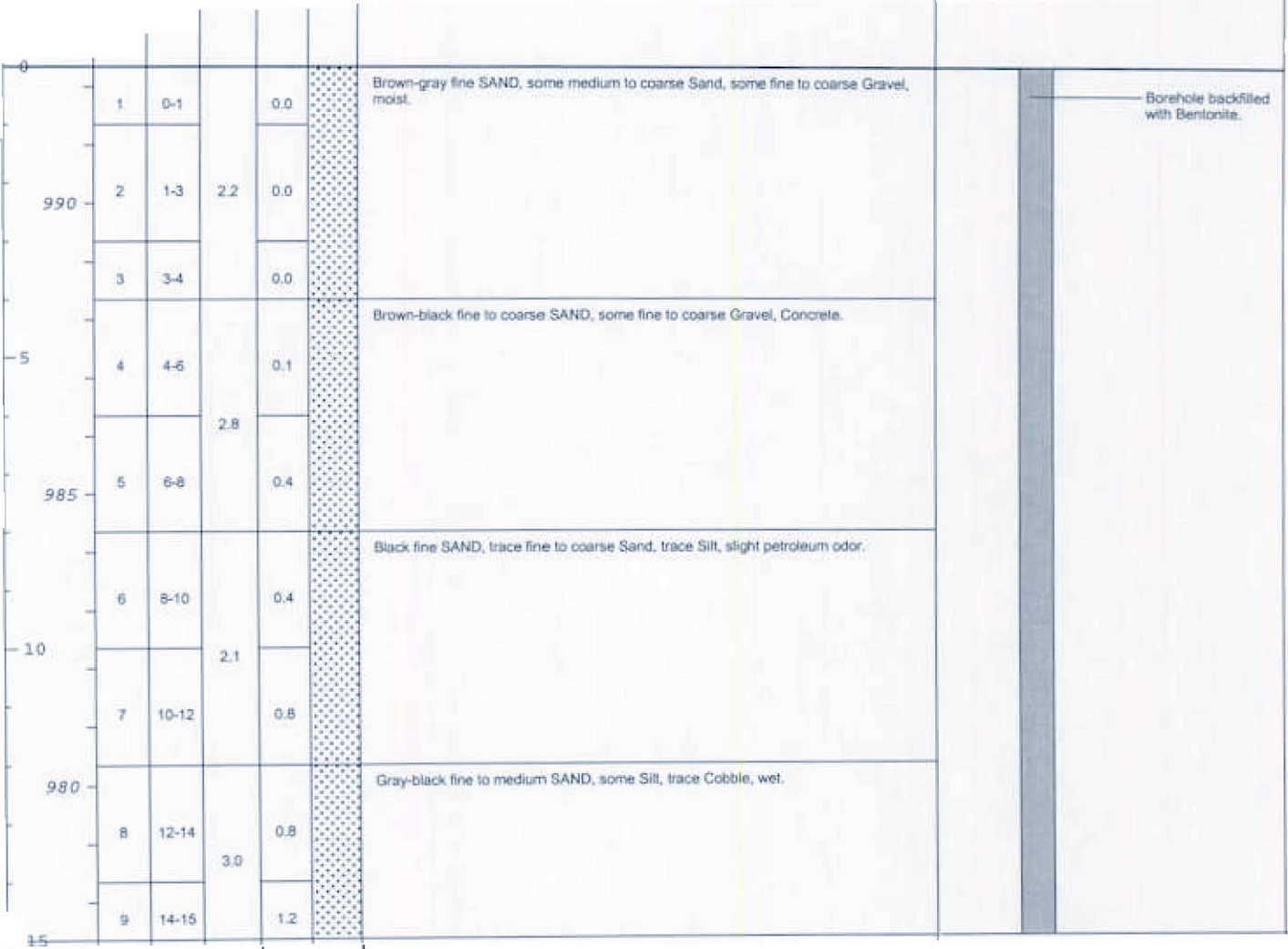
<b>Date Start/Finish:</b> 4/1/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Truck Mounted Power Probe <b>Sample Method:</b> 4" Maccore	<b>Northing:</b> 532074.0188 <b>Easting:</b> 130360.2493 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 10' below grade <b>Surface Elevation:</b> 985.5186  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-E18  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0			0-1		0.0			Borehole backfilled with Bentonite.
990		2	1-3	3.2	0.0		Pulverized CONCRETE. Brown-gray fine SAND, trace Silt, some fine to medium Gravel.	
		3	3-4		0.0		Gray-black fine SAND, trace Silt, some fine to coarse Gravel.	
			4-6		0.0			
985		5	6-8	3.4	0.0			
		6	8-10	2.0	0.0		Pulverized CONCRETE. Gray-brown fine to medium SAND, trace Silt, some fine to medium Gravel, moist.	
10								
980								
15								

<h1>BBL</h1> <p>BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF.
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<b>Date Start/Finish:</b> 4/1/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Truck Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 532074.059 <b>Easting:</b> 130410.3643 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 986.5649  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-E19  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								



 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs; 10-15': PCBs. Duplicate sample ID: RAA11-DUP-6 (PCBs; 6-10'). MS/MSD collected (PCBs; 1-3').
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Date Start/Finish: 4/1/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Truck Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532074.3951 Easting: 130510.4274 Casing Elevation: NA  Borehole Depth: 6' below grade Surface Elevation: 987.4498  Descriptions By: AMB	Boring ID: RAA11-E21  Client: General Electric Company  Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0	[Geologic Column Pattern]	Dark-brown fine SAND, little SILT, some fine to medium Gravel, trace Roots.	Borehole backfilled with Bentonite.
990		2	1-3	3.1				
			3-4		0.0			
5		4	4-6	1.7	0.0		Dark brown fine SAND, little Silt, some fine to medium Gravel, Wood, moist.	
985								
10								
980								
15								

<h1 style="margin: 0;">BBL</h1> <p style="margin: 0;">BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 3-6': VOCs, SVOCs, Inorganics, PCDD/PCDF.
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Date Start/Finish: 4/2/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 532074.231  
 Easting: 130610.3746  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 979.55'  
 Descriptions By: AMB

Boring ID: RAA11-E23  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980								
		1	0-1	0.0			Brown fine SAND, trace Silt, trace fine to medium Gravel.	Borehole backfilled with Bentonite.
		2	1-3	2.4	0.0		Pulverized CONCRETE. Brown fine SAND, trace Silt, some fine to medium Gravel.	
		3	3-4	0.0				
975		4	4-6	3.4	0.0		Brown fine SAND, trace Silt and fine Gravel, moist. Pulverized CONCRETE. Brown fine SAND and SILT, trace fine Gravel, moist. Pulverized CONCRETE.	
5		5	6-8	0.0			Gray-brown fine to medium Sand, trace Silt (varved appearance), moist.	
		6	8-10	4.0	0.0			
970		7	10-12	0.1			WOOD, wet.	
		8	12-14	2.7	0.0		Gray-brown fine to coarse SAND, trace Organic Material, wet.	
965		9	14-15	0.0				
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-3': PCBs; 3-6':  
 PCBs; 6-10': PCBs; 10-15': PCBs.



Date Start/Finish: 4/1/03 - 4/2/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 532074.075  
 Easting: 130710.4495  
 Casing Elevation: NA

Borehole Depth: 15' below grade  
 Surface Elevation: 980.45'

Descriptions By: AMB

Boring ID: RAA11-E25

Client: General Electric Company



Location: Former Oxbow Areas A and C


DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980		1	0-1		0.0	x x x x x x x x x x	Brown fine SAND, some Silt, Bick, and Concrete. [FILL]	Borehole backfilled with Bentonite.
		2	1-3	2.1	0.0	x x x x x x x x x x	Red BRICK.	
		3	3-4		0.0	x x x x x x x x x x		
975		4	4-6	2.0	0.0	x x x x x x x x x x	Brown fine SAND and SILT, trace Organic Material and Wood.	
		5	6-8	2.0	0.0	x x x x x x x x x x		
		6	8-10		0.2	x x x x x x x x x x	Gray fine SAND, wet. WOOD Chips, wet.	
10				3.1		x x x x x x x x x x	Brown fine SAND and SILT, wet. WOOD Chips, wet.	
970		7	10-12		0.0	x x x x x x x x x x	Gray fine to medium SAND, trace Silt, wet.	
		8	12-14		0.0	x x x x x x x x x x	Gray-brown fine to coarse SAND, wet.	
		9	14-15		0.0	x x x x x x x x x x		
965								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 3-6': PCBs; 6-10': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 10-15': PCBs.

Date Start/Finish: 4/2/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532074.0565 Easting: 130795.2911 Casing Elevation: NA  Borehole Depth: 15' below grade Surface Elevation: 984.03'  Descriptions By: AMB	Boring ID: RAA11-E27  Client: General Electric Company  Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1		0.0		Brown fine SAND, some fine Gravel, Concrete, and Brick, moist. [FILL]	 Borehole backfilled with Bentonite.
			1-3	2.0	0.0			
		3	3-4		0.0			
980		4	4-6		0.0		Brown fine SAND, some Silt, fine Gravel, and Concrete, moist. [FILL]	
		5	6-8	2.1	0.0			
		6	8-10		0.0		Gray-brown fine SAND, some Silt (varved appearance), moist.	
975		7	10-12	4.0	0.0			
		8	12-14		0.0		Gray-brown fine SAND, some Silt, trace Wood, Organic Material, wet.	
		9	14-15	3.0	0.0			
970								
15								

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 10-15': PCBs.
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Date Start/Finish: 4/1/03  
 Drilling Company: BBL  
 Driller's Name: Truck Mounted Power Probe  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Truck Mounted Power Prob  
 Sample Method: 4' Macrocore

Northing: 532024.2135  
 Easting: 130510.6501  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 988.1213  
 Descriptions By: AMB

Boring ID: RAA11-F21  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	SampleIn/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0		Brown fine SAND, trace Silt, trace fine Gravel, Organic Material, moist.	 Borehole backfilled with Bentonite.
		2	1-3	3.0	0.0		Black fine to coarse SAND, some Slag. [FILL]	
990		3	3-4		1.2		Gray-brown fine SAND, some fine to medium Gravel, Coal, Ash. [FILL]	
		4	4-6		0.0		Brown fine SAND, some fine to medium Gravel.	
5		5	6-8	2.7	0.0		Brown fine SAND, trace SILT, some fine to coarse Gravel, Brick. [FILL]	
		6	8-10		0.0		Brown fine SAND, some Silt.	
985		7	10-12	2.1	0.0			
		8	12-14		0.0			
10		9	14-15	3.0	0.0			
980								
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': VOCs, PCDD/PCDF; 10-15': Sulfide, PCDD/PCDF.

Date Start/Finish: 3/28/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 531981.427 Easting: 130112.248 Casing Elevation: NA  Borehole Depth: 15' below grade Surface Elevation: 984.4547  Descriptions By: AMB	Boring ID: RAA11-G13  Client: General Electric Company  Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
		1	0-1		0.0	Geologic Column	Dark brown fine SAND, some Silt, trace Organic Material, moist.	Borehole backfilled with Bentonite.
					0.0		Brown-black fine to medium SAND, some fine to coarse Gravel, Coal, Ash, Brick. [FILL]	
990		2	1-3	2.4	0.0			
		3	3-4		0.0			
		4	4-6		0.1		Black-brown fine SAND, some Silt, some fine to coarse Gravel, Slag, Brick, Concrete, oil-soaked Wood.	
				3.0				
985		5	6-8		16.2		Moist below 8.0' bgs.	
		6	8-10		11.4			
10			10-12		4.7			
		8	12-14		0.0	Brown-gray fine SAND, some Silt, wet.		
				3.0				
		9	14-15		0.0			
15								

<h1 style="margin: 0;">BBL</h1> <p style="margin: 0;">BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<p><b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available.          Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs; 10-15': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF.</p>
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Date Start/Finish: 3/28/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531973.9998  
 Easting: 130210.3696  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 984.5954  
 Descriptions By: AMB

Boring ID: RAA11-G15  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0		Brown fine SAND, little Silt, some fine to coarse Gravel, Coal, Slag, Brick.	Borehole backfilled with Bentonite.
990		2	1-3	3.0	2.7			
		3	3-4		1.2			
5		4	4-6		0.6		Brown fine SAND, little Silt, some fine to coarse Gravel, Coal, Slag, Brick.	
				4.0				
985		5	6-8		0.2		Gray-brown fine SAND, some fine to coarse Gravel, Coal, Concrete.	
							Pulverized CONCRETE.	
		6	8-10		0.0		Brown fine to medium SAND, some fine to coarse Gravel, Concrete.	
10		7	10-12		0.0		Black fine SAND and SILT, moist.	
				2.6				
980		8	12-14		0.0	Dark brown fine SAND and SILT, trace Peat, wet.		
				3.0				
15		9	14-15		0.0			



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs, PCDD/PCDF; 10-15': PCBs.

Date Start/Finish: 4/8/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531973.9589  
 Easting: 130510.3979  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 986.38'  
 Descriptions By: AMB

Boring ID: RAA11-G21  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

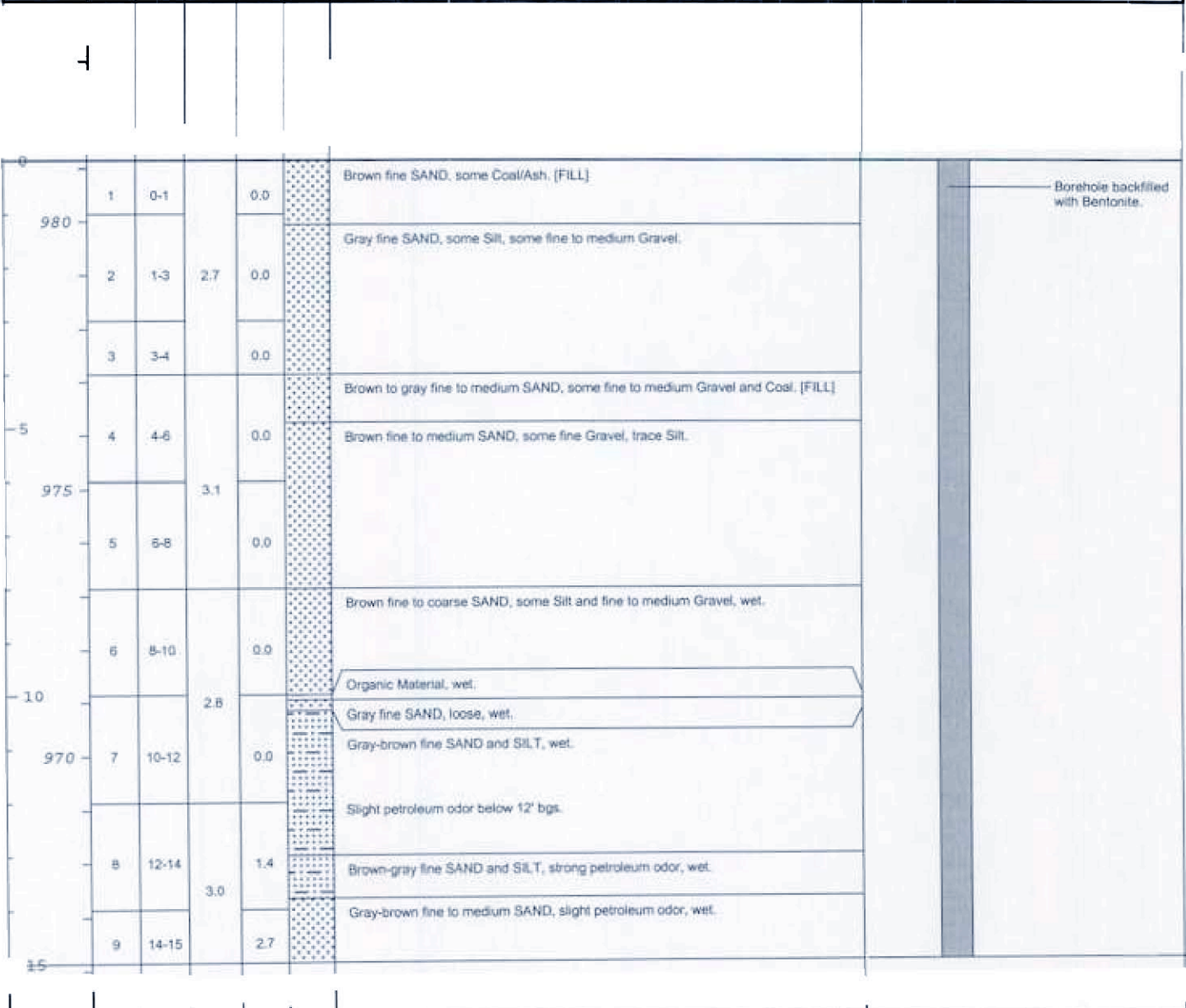
DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0								
	985	1	0-1		0.0		Dark brown fine SAND, trace Silt, trace fine Gravel, Organic Material.	 Borehole backfilled with Bentonite.
		2	1-3	3.0	0.0		Gray-brown fine SAND, some Silt, some fine to medium Gravel.	
		3	3-4		0.0		Red fractured BRICK.	
5		4	4-6		0.0		Black COAL/ASH. [FILL]	
	980	5	6-8	4.0	0.0			
		6	8-10		4.7		Gray-brown fine SAND and SILT, some fine to medium Gravel, Coal, and Ash. [FILL]	
10			10-12	2.6	1.3		Brown fine SAND, some Silt, moist.	
	975	8	12-14		0.8			
		9	14-15	3.0	5.2		Gray fine to medium SAND, slight petroleum odor, wet.	
15								




Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs, VOCs, SVOCs, Inorganics,  
 PCDD/PCDF, Pest./Herb.; 10-15': PCBs.

<b>Date Start/Finish:</b> 4/8/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531974.0822 <b>Easting:</b> 130610.3443 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 981.14'  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-G23  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	*Geologic Column	Stratigraphic Description	Boring Construction
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 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.
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<b>Date Start/Finish:</b> 4/2/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531974.0048 <b>Easting:</b> 130710.3846 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 982.36'  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-G25  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1		0.0		Dark brown fine SAND, some Silt and fine to medium Gravel, moist. Concrete.	Borehole backfilled with Bentonite.
980		2	1-3	2.7	0.0		Dark brown fine SAND, little Silt, some fine to medium Gravel, moist.	
		3	3-4		0.0			
		4	4-6		0.0		Dark brown fine to medium SAND, some fine to coarse Gravel and Concrete, slight petroleum odor.	
975		5	6-8	3.8	0.4			
		6	8-10		1.2	x x x	Dark brown fine to medium SAND, some fine to coarse Gravel, Coal, and Ash, petroleum odor. [FILL]	
10		7	10-12	4.0	4.7	x x x		
970		8	12-14		21		Black to brown fine to coarse SAND, heavy sheen, strong petroleum odor, wet.	
		9	14-15	3.0	47.2			

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-3': PCBs; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 6-10': PCBs; 10-15': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs.
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<b>Date Start/Finish:</b> 4/3/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531973.9753 <b>Easting:</b> 130783.6368 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 981.44'  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-G27  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0								
	980	1	0-1		0.0	[Dotted pattern]	Orange-brown fine SAND, some Silt, trace Organic Material and Grass, moist.	Borehole backfilled with Bentonite.
		2	1-3	2.9	0.0			
		3	3-4		0.0			
5		4	4-6		0.0	[Dotted pattern]	Brown fine SAND, some Silt, trace fine Gravel, Coal, and Ash, moist.	
	975	5	6-8	2.6	0.0			
		6	8-10		1.0	[Dotted pattern]	Gray-brown fine SAND, some Clay, some fine to coarse Gravel, slight petroleum odor, wet.	
10		7	10-12	2.1	0.2			
	970	8	12-14		0.0	[Circular pattern]	Brown medium to coarse GRAVEL, some medium to coarse Sand, wet.	
		9	14-15	1.7	0.0			
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 6-10': PCBs; 10-15': PCBs.  
 Duplicate sample ID: RAA11-DUP-7 (PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 3-6') MS/MSD collected (VOCs, 1-3')

**Date Start/Finish:** 4/8/03  
**Drilling Company:** BBL  
**Driller's Name:** JJB  
**Drilling Method:** Direct Push  
**Auger Size:** NA  
**Rig Type:** Tractor Mounted Power Probe  
**Sample Method:** 4' Macrocore

**Northing:** 531924.0488  
**Easting:** 130360.3153  
**Casing Elevation:** NA  
**Borehole Depth:** 10' below grade  
**Surface Elevation:** 985.10'  
**Descriptions By:** AMB

**Boring ID:** RAA11-H18  
**Client:** General Electric Company  
**Location:** Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1		0.0	[Dotted Pattern]	Black fine to coarse SAND, some Coal/Ash. [FILL]	Borehole backfilled with Bentonite.
		2	1-3	2.6	0.0	[Dotted Pattern]	Gray fine SAND and SILT, some Coal/Ash. [FILL]	
		3	3-4		0.0	[Dotted Pattern]	Pulverized SANDSTONE.	
5	980	4	4-8		0.0	[Dotted Pattern]	Brown fine to coarse SAND, some fine to coarse Gravel. Pulverized CONCRETE.	
		5	6-8	4.0	0.0	[Dotted Pattern]	Black medium to coarse SAND, some Ash/Coal. [FILL]	
		6	8-10	2.0	0.0	[Dotted Pattern]		
10	975							
15	970							













**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, PCDD/PCDF;  
 6-10': PCDD/PCDF.

Date Start/Finish: 5/2/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531901.4753  
 Easting: 130730.7686  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 984.06'  
 Descriptions By: AMB

Boring ID: RAA11-HI25.5  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1		0.0		Dark brown fine SAND, some Silt, little fine to medium Gravel and Brick. (FILL)	 <p>Borehole backfilled with Bentonite.</p>
		2	1-3	2.8	0.0		Brown fine SAND, some Silt, trace Cobbles.	
		3	3-4		0.0			
980		4	4-6		0.0		Black-brown fine to medium SAND, moist.	
		5	6-8	3.1	0.0			
		6	8-10		0.0		Gray-brown fine SAND, some Silt, moist.	
975		7	10-12	3.8	0.0		Gray fine to coarse SAND, wet.	
10		8	12-14		0.0		Gray-brown fine SAND, some Silt, mottled, wet.	
		9	14-15	2.2	0.0		Gray fine SAND and SILT, wet.	
970								
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.

Date Start/Finish: 3/26/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531874.1264  
 Easting: 130010.3149  
 Casing Elevation:  
 Borehole Depth: 15' below grade  
 Surface Elevation: 982.2786  
 Descriptions By: AMB

Boring ID: RAA11-I11  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
		1	0-1		0.0	[Dotted Pattern]	Gray fine SAND, some fine to medium Gravel, moist.	Borehole backfilled with Bentonite.
990		2	1-3	2.4	0.0			
		3	3-4		0.0			
		4	4-6		0.0	[Dotted Pattern]	Dark brown fine SAND, little small to medium Gravel, Concrete. [FILL]	
				2.7			Dark brown fine SAND, trace Silt, trace Peat, moist.	
985		5	6-8		0.0	[Dotted Pattern]		
		6	8-10		0.0			
10				3.1			Gray fine to medium SAND, trace coarse Sand, wet.	
		7	10-12		0.0	[Dotted Pattern]		
980		8	12-14		0.0		Gray fine to coarse SAND, wet.	
				3.0				
		9	14-15		0.0			
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs; 10-15': PCBs.  
 Duplicated sampled ID: RAA11-DUP-1 (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6').



<b>Date Start/Finish:</b> 4/16/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531874.0 <b>Easting:</b> 130110.4 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 5' below grade <b>Surface Elevation:</b> 992.25  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-113  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
925								
0		1	0-1	0.9	0.0		Dark brown fine SAND and SILT, some Organic Material, moist.	
		2	1-3		0.0		Dark brown fine SAND and SILT, trace Organic Material, moist.	
920		3	3-5	3.0	0.0			
5								
915								
10								
910								
15								

	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest/Herb; 1-3': PCBs; 3-5': PCBs. MS/MSD collected (PCBs, Pest/Herb; 1-3').
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Date Start/Finish: 4/17/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Jackhammer  
 Sample Method: 4' Macrocore

Northing: 531874.0218  
 Easting: 130110.3938  
 Casing Elevation: NA  
 Borehole Depth: 7.0' below grade  
 Surface Elevation: 992.25'  
 Descriptions By: AMB


Boring ID: RAA11-I13 LP  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-2	2.8	0.0		Dark brown fine SAND, some Silt, trace Organic Material.	 Borehole backfilled with Bentonite.
990		2	2-4	0.0				
5		3	4-6	2.8	0.0			
		4	6-7	0.0				
985								
10								
980								
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-2': PCBs; 2-4': PCBs, VOCs, SVOCs, Inorganics; 4-7': PCBs.


<b>Date Start/Finish:</b> 4/10/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531874.0836 <b>Easting:</b> 130210.3556 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 985.35'  <b>Descriptions By:</b> JAB	<b>Boring ID:</b> RAA11-I15  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1		0.0	[Dotted pattern]	Brown fine to medium SAND, some Silt, Organic Material, Concrete, and Brick. [FILL]	 Borehole backfilled with Bentonite.
		2	1-3	2.7	0.0			
		3	3-4		0.0			
5	980	4	4-6		0.0	[Dotted pattern]	Black-gray fine to medium SAND, some fine to coarse Gravel and Coal. [FILL]	
		5	6-8	2.0	0.0			
		6	8-10		0.0	[Dotted pattern]	Black to brown fine SAND, some Silt and fine to coarse Gravel, moist.	
10	975	7	10-12		0.0	[Cross-hatched pattern]	Pulverized CONCRETE, some Brick, little fine to medium Sand, moist.	
		8	12-14		0.0	[Horizontal dashed pattern]	Black-gray fine SAND and SILT, wet.	
		9	14-15	1.7	0.0			
15	970							

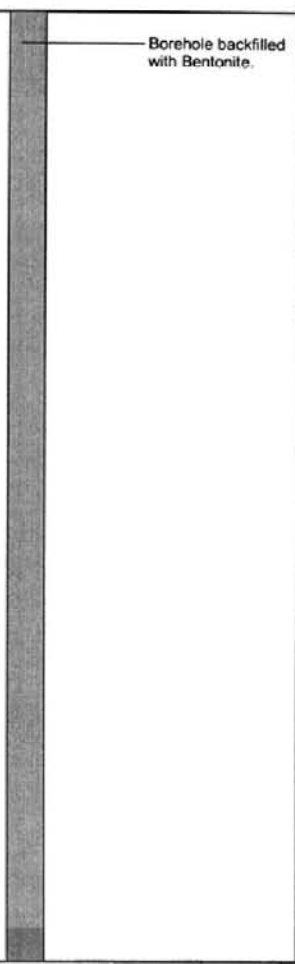
<h1>BBL</h1> <p>BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.
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<b>Date Start/Finish:</b> 4/10/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531874.0364 <b>Easting:</b> 130310.4702 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 984.76'  <b>Descriptions By:</b> JAB	<b>Boring ID:</b> RAA11-117  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction	
0	985								
		1	0-1	0.0			Brown fine SAND, some Silt and fine to coarse Gravel, moist.	Borehole backfilled with Bentonite.	
		2	1-3	2.6	0.0				
		3	3-4	0.0			Red Brick (Fill) below 4.0' bgs.		
5	980	4	4-6	0.0			Gray-brown fine SAND, some Silt, fine to coarse Gravel, and Brick. [FILL]		
		5	6-8	0.0	3.2				
		6	8-10	0.0			Gray-brown SAND and SILT, little fine to coarse Gravel, trace Wood and Brick. [FILL] Pulverized BRICK. [FILL]		
10	975	7	10-12	0.0			Gray fine SAND and SILT, little fine to medium GRAVEL, trace Wood, moist.		
		8	12-14	0.0	2.8				Gray-brown fine to medium SAND, wet.
15	970	9	14-15	0.0					

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.
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<b>Date Start/Finish:</b> 4/10/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531874.0887 <b>Easting:</b> 130410.3982 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 985.17'  <b>Descriptions By:</b> JAB	<b>Boring ID:</b> RAA11-119  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1		0.0		Brown fine SAND, little Silt, fine to medium Gravel, and Organic Material.	
		2	1-3	3.3	0.0			
		3	3-4		0.0		Pulverized CONCRETE. Brick (Fill) below 4.0' bgs.	
5	980	4	4-6		0.0		Gray fine to medium SAND, moist.	
		5	6-8	3.3	0.0		Black to brown fine SAND and SILT, moist.	
		6	8-10		0.0		Trace Organic Material below 8.0' bgs.	
10	975	7	10-12		0.0		Some Peat below 10.2' bgs.	
		8	12-14		0.0		Gray-brown fine SAND and SILT, trace Organic Material, moist.	
		9	14-15	2.9	0.0		Gray fine to medium SAND, moist.	
15	970						Gray fine to coarse SAND, wet.	

<h1 style="margin: 0;">BBL</h1> <p style="margin: 0;">BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<p><b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available.          Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 10-15': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.          Duplicate sample ID: RAA11-DUP-10 (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb., 10-15'). MS/MSD collected (1-3').</p>
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Date Start/Finish: 4/9/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531873.9302  
 Easting: 130510.4079  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 984.55'  
 Descriptions By: AMB

Boring ID: RAA11-I21  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985	0							
		1	0-1		0.0		Brown fine SAND, trace fine Gravel.	 Borehole backfilled with Bentonite.
		2	1-3	2.7	0.0		Brown fine SAND, some Silt, trace fine Gravel/Brick. (FILL)	
		3	3-4		0.0			
980	5		4-6		0.0		Gray-brown fine to medium SAND, little Silt and fine to medium Gravel, moist.	
				3.0			Black fine SAND, some Silt, trace fine Gravel, moist.	
		5	6-8		0.0			
975	10		8-10		0.0			
				3.3				
		7	10-12		0.0			
						Wet below 11.8' bgs.		
		8	12-14		0.0		Gray fine to medium SAND, wet.	
970	15		14-15		0.0			



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.  
 Duplicate sample ID: RAA11-DUP-9 (PCBs, 6-10').  
 MS/MSD collected (PCBs, 3-6').



Date Start/Finish: 4/9/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531873.4448  
 Easting: 130612.3608  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 979.42'  
 Descriptions By: AMB

Boring ID: RAA11-I23  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980								
		1	0-1		0.0		Brown fine SAND, some Silt, trace fine Gravel and Organic Material.	
		2	1-3	2.0	0.0			
		3	3-4		0.0			
975		4	4-6		0.0		Brown fine to medium SAND, some Silt, little fine to medium Gravel, moist.	
		5	6-8	3.7	0.0			
		6	8-10		1.2		Dark brown to black SILT and fine SAND, trace fine Gravel, slight petroleum odor, wet.	
970		7	10-12	2.1	7.2			
		8	12-14		0.0		Gray fine to medium SAND, wet.	
		9	14-15	3.0	0.0			
965							Brown-gray fine to coarse SAND, some fine to coarse Gravel, wet.	
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': VOCs, SVOCs, Inorganics,  
 PCDD/PCDF, Pest./Herb.

Date Start/Finish: 4/3/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 531873.4886 Easting: 130660.831 Casing Elevation: NA  Borehole Depth: 10' below grade Surface Elevation: 983.60'  Descriptions By: AMB	Boring ID: RAA11-I24  Client: General Electric Company  Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1		0.0	Geologic Column	Dark brown fine SAND, trace Silt and Organic Material, moist. CONCRETE. Orange-brown fine SAND, trace Silt and fine Gravel.	Borehole backfilled with Bentonite.
		2	1-3	2.3	0.0			
980		3	3-4		0.0			
5		4	4-6		0.0		Light brown fine SAND.	
		5	6-8	3.3	0.0		Orange-brown fine SAND, mottled, moist.	
975		6	8-10	2.0	0.0		Orange-brown fine SAND, little Silt and fine Gravel, mottled, wet.	
10								
970								
15								

<h1 style="margin: 0;">BBL</h1> <p style="margin: 0;">BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<p><b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available.          Analyses: 1-3': VOCs, SVOCs, Inorganics, PCDDs/PCDFs, Pest./Herb.;          3-6': VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 6-10': VOCs, SVOCs, Inorganics, PCDDs/PCDFs.</p>
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Date Start/Finish: 4/3/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531973.9753  
 Easting: 130710.4923  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 983.38'  
 Descriptions By: AMB

Boring ID: RAA11-I25  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
		1	0-1		0.0	Geologic Column	Brown fine SAND, some Silt and Organic Material, moist.	Borehole backfilled with Bentonite.
							Orange-brown fine SAND.	
		2	1-3	2.7	0.0			
980			3-4		0.0			
			4-6		0.0		Orange-brown fine SAND, trace fine Gravel.	
5				3.4				
		5	6-8		0.0			
975			8-10		0.0		Orange-brown fine to coarse SAND, trace fine Gravel and Concrete. [FILL]	
10			10-12		2.0			
						Orange-brown fine to coarse SAND, some Silt, wet.		
970			12-14		0.0			
				3.0				
		9	14-15		0.0			
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.

<b>Date Start/Finish:</b> 4/16/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Truck Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531818.4831 <b>Easting:</b> 130063.1252 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 12' below grade <b>Surface Elevation:</b> 995.3489  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-J12-LP  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
		1	0-2		0.0	[Dotted Pattern]	Dark brown fine SAND, some Silt, little Organic Material.	[Vertical Bar]
				3.8	0.0			
990			2-4		0.0			
		3	4-6		0.0			
				3.4	0.0			
		4	6-8		0.0			
985						[Dotted Pattern]	Moist below 8.0' bgs.	[Vertical Bar]
		5	8-10		0.0			
10				3.3	0.0			
		6	10-12		0.0			
980								
15								


Borehole backfilled with Bentonite.



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-2': PCBs; 2-4': PCBs; 4-6': PCBs; 6-8': PCBs; 8-10': PCBs, VOCs, SVOCs, Inorganics; 10-12': PCB's.

<b>Date Start/Finish:</b> 4/15/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531824.0079 <b>Easting:</b> 130260.2789 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 6.0' below grade <b>Surface Elevation:</b> 985.17'  <b>Descriptions By:</b> JAB	<b>Boring ID:</b> RAA11-J16  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1		0.0	[Dotted pattern]	Brown fine SAND, some medium to coarse Sand and fine to coarse Gravel.	 Borehole backfilled with Bentonite.
		2	1-3	2.6	0.0		Light brown fine to coarse SAND, some fine to coarse Gravel.	
		3	3-4		0.0			
5	980	4	4-6	2.0	4.7	[Dotted pattern]	Dark brown fine to coarse SAND, some fine to coarse Gravel, slight petroleum odor.	
10	975							
15	970							

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs; 3-6': VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.
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<b>Date Start/Finish:</b> 4/14/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531823.9974 <b>Easting:</b> 130310.3611 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 3' below grade <b>Surface Elevation:</b> 984.50'  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-J17  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1	2.0	0.0		Brown fine SAND, some Silt, trace Gravel and Brick. [FILL]	 Borehole backfilled with Bentonite.
		2	1-3		0.0		Brown fine SAND, little Silt and fine to coarse Gravel.	
980	5							
975	10							
970	15							

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF.
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Date Start/Finish: 3/26/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531774.0018  
 Easting: 130010.4339  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 984.7009  
 Descriptions By: AMB

Boring ID: RAA11-K11  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0		Dark-brown fine SAND and SILT, trace Gravel, moist.	
990		2	1-3	2.7	0.0			
		3	3-4		0.0			
5		4	4-6		0.0		Gray fine to medium SAND, some fine to medium Gravel.	
				3.8				
985		5	6-8		0.0		Dark-brown fine SAND and SILT, trace Peat, wet, slight petroleum odor.	
10		6	8-10		0.0		Gray fine SAND and SILT, little fine to medium poorly sorted Gravel, wet, slight petroleum odor.	
		7	10-12		4.1			
980		8	12-14		6.2		Dark brown SILT and SAND, trace Peat, slight petroleum odor.	
		9	14-15		0			
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs; 10-15': PCBs.  
 Duplicate sample ID: RAA11-DUP-2 (Pest./Herb.; 1-3').  
 MS/MSD collected (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6').

Date Start/Finish: 4/17/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Electric Jackhammer  
 Sample Method: 4' Macrocore

Northing: 531774.1514  
 Easting: 130061.3878  
 Casing Elevation: NA  
 Borehole Depth: 11' below grade  
 Surface Elevation: 994.95'  
 Descriptions By: AMB

Boring ID: RAA11-K12 LP  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	995							
		1	0-2	0.1		[Dotted Pattern]	Dark brown fine SAND, some Silt, trace Organic Material.	Borehole backfilled with Bentonite.
				2.9				
		2	2-4	0.0				
-5	990	3	4-6	0.0		[Dotted Pattern]	Dark brown fine SAND, little Silt and Organic Material.	
				3.6				
		4	6-8	0.0				
		5	8-10	0.0				
-10	985	6	10-11	0.0				
-15	980							



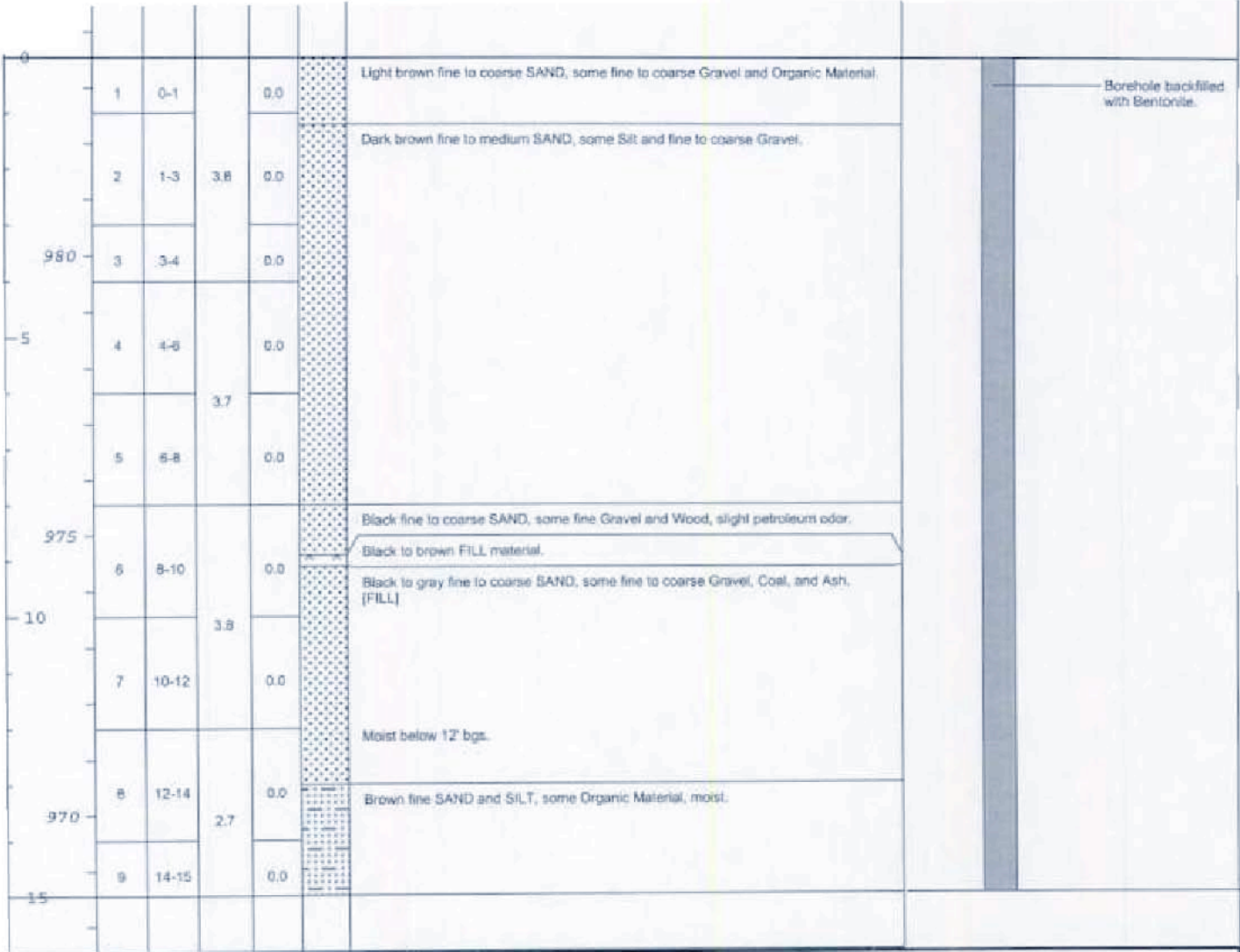
**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-2': PCBs; 2-4': PCBs; 4-6': PCBs; 6-8': PCBs; 8-10': VOCs, SVOCs, Inorganics; 8-11': PCBs.

Date Start/Finish: 4/15/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531774.5889  
 Easting: 130110.5387  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 983.55'  
 Descriptions By: JAB

Boring ID: RAA11-K13  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.  
 Duplicate sample ID: RAA11-DUP-13 (PCBs, 6-10').  
 MS/MSD collected (PCBs, 1-3')

**Date Start/Finish:** 4/15/03  
**Drilling Company:** BBL  
**Driller's Name:** JJB  
**Drilling Method:** Direct Push  
**Auger Size:** NA  
**Rig Type:** Tractor Mounted Power Probe  
**Sample Method:** 4' Macrocore

**Northing:** 531774.0634  
**Easting:** 130210.4219  
**Casing Elevation:** NA  
  
**Borehole Depth:** 15' below grade  
**Surface Elevation:** 984.82'  
  
**Descriptions By:** JAB

**Boring ID:** RAA11-K15  
**Client:** General Electric Company  
  
**Location:** Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1	0.0			Brown fine SAND, some medium to coarse Sand, trace Silt and fine Gravel.	Borehole backfilled with Bentonite.
		2	1-3	3.2		x x	Red BRICK and CONCRETE. [FILL]	
		3	3-4	0.0			Light brown fine to coarse SAND, trace Silt and fine to coarse Gravel.	
5	980	4	4-6	0.0			Black fine to coarse SAND, little fine to coarse Gravel/Coal. [FILL]	
		5	6-8	0.0				
		6	8-10	0.0			Slight petroleum odor, moist below 8.0' bgs.	
10	975	7	10-12	0.0				
		8	12-14	0.0			Gray-brown fine to medium SAND, little Silt and fine to coarse Gravel, moist.	
15	970	9	14-15	0.0				



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF.  
 Duplicate sample ID: RAA11-DUP-12 (PCBs, 6-10').  
 MS/MSD collected (PCBs, 10-15')



<b>Date Start/Finish:</b> 4/10/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531774.0368 <b>Easting:</b> 130310.3961 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 984.78'  <b>Descriptions By:</b> JAB	<b>Boring ID:</b> RAA11-K17  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/in/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
		1	0-1		0.0		Brown fine SAND, some Silt, fine to medium Gravel, and Organic Material.	
		2	1-3	2.8	0.0		Pulverized CONCRETE. [FILL]	
							Brown fine SAND, some Silt, fine to medium Gravel, and Coal. [FILL]	
		3	3-4		0.0		Pulverized BRICK. [FILL]	
980		4	4-6		0.0		Gray-black fine SAND and SILT, some fine to coarse Gravel, slight petroleum odor.	
		5	6-8	3.4	0.0			
		6	8-10		0.6		Strong petroleum odor below 8.0' bgs.	
975		7	10-12	2.0	0.3			
		8	12-14		0.0		Gray-black fine SAND and SILT, little fine to medium Gravel and Concrete, slight petroleum odor. [FILL]	
970		9	14-15	2.1	0.0			



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 10-15': PCBs.

**Date Start/Finish:** 4/9/03  
**Drilling Company:** BBL  
**Driller's Name:** JJB  
**Drilling Method:** Direct Push  
**Auger Size:** NA  
**Rig Type:** Tractor Mounted Power Probe  
**Sample Method:** 4' Macrocore

**Northing:** 531774.0071  
**Easting:** 130410.4393  
**Casing Elevation:** NA  
  
**Borehole Depth:** 15' below grade  
**Surface Elevation:** 984.33'  
  
**Descriptions By:** AMB

**Boring ID:** RAA11-K19  
  
**Client:** General Electric Company  
  
**Location:** Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1	0.0			Brown fine SAND, trace Silt and fine Gravel, moist.	Borehole backfilled with Bentonite.
		2	1-3	2.8	0.0		Brown fine SAND, little fine to medium Gravel, trace Silt.	
		3	3-4		0.0		Brown fine SAND, some Silt, trace fine to medium Gravel.	
-5	980	4	4-6		0.0		Pulverized SANDSTONE. Brown fine to medium SAND, some Silt, little fine to medium Gravel, moist.	
		5	6-8		0.0		Little BRICK and CONCRETE below 8.0' bgs. [FILL]	
-10	975	6	8-10		0.0			
		7	10-12		0.0			
		8	12-14		0.0		Gray fine to medium SAND, wet.	
-15	970	9	14-15		0.0			



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.



<b>Date Start/Finish:</b> 4/9/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531774.0972 <b>Easting:</b> 130510.1962 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 978.29'  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-K21  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980								
0		1	0-1		0.0		Brown fine SAND, some Silt, fine Gravel, and Coal. [FILL]	
		2	1-3	2.1	0.0			
975		3	3-4		0.0			
		4	4-6		0.0		Gray fine to medium SAND, some fine to coarse Gravel.	
5		5	6-8	3.0	0.0		Pulverized SANDSTONE. Gray PEAT/ORGANIC MATERIAL.	
		6	8-10		0.0		Dark brown fine SAND and SILT, some Peat, wet.	
10		7	10-12	3.4	0.0		Gray fine to medium SAND, wet. Trace Peat below 12' bgs.	
		8	12-14		0.0			
965		9	14-15	3.0	0.0			
15								

<h1 style="margin: 0;">BBL</h1> <p style="margin: 0;">BLASLAND, BOUCK &amp; LEE, INC. <i>engineers &amp; scientists</i></p>	<p><b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available.          Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDD/PCDF;          1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.</p>
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Date Start/Finish: 4/3/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531772.9829  
 Easting: 130609.6304  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 980.80'  
 Descriptions By: AMB

Boring ID: RAA11-K23  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	980	1	0-1	2.8	0.0		Dark brown fine SAND, trace Silt and Organic Material, moist. Brown fine SAND, trace Silt and fine to medium Gravel, moist.	Borehole backfilled with Bentonite.
		2	1-3	0.0				
		3	3-4	0.0				
5	975	4	4-6	2.2	0.0		Dark brown fine SAND and SILT, trace fine Gravel, moist.	
		5	6-8	0.0				
		6	8-10	0.0			Brown SILT, trace Peat, wet.	
10	970	7	10-12	3.0	0.0		Wood below 12' bgs.	
		8	12-14	1.8	0.0		Brown medium to coarse GRAVEL, some Wood and fine to coarse Sand, wet.	
		9	14-15	0.0				
15	965							



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs, Pest./Herb.; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs, Pest./Herb.; 6-10': PCBs; 10-15': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs.

<b>Date Start/Finish:</b> 4/14/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531724.0542 <b>Easting:</b> 130360.3095 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 3.0' below grade <b>Surface Elevation:</b> 985.35'  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-L18  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1	3.0	0.0		Brown fine SAND, some Silt, trace fine Gravel, Organic Material.	 Borehole backfilled with Bentonite.
		2	1-3		0.0		Brown fine to medium SAND, some fine Gravel.	
5	980							
10	975							
15	970							

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs; 1-3': VOCs, SVOCs, Inorganics, PCDDs/PCDFs.
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Date Start/Finish: 3/25/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531674.1  
 Easting: 129960.3  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation:  
 Descriptions By: AMB

Boring ID: RAA11-M10  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headpace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985		1	0-1		0.0	[Dotted pattern]	Brown fine to medium SAND, some fine to medium Gravel.	Borehole backfilled with Bentonite.
		2	1-3	2.7	0.0			
		3	3-4		0.0			
980		4	4-6		0.0	[Dotted pattern]	Gray-brown fine to medium SAND, some fine to medium Gravel, trace oil-stained Wood.	
		5	6-8	3.0	0.0			
		6	8-10		0.0	[Horizontal lines]	Pulverized red BRICK.	
10						[Dotted pattern]	Dark brown fine SAND, trace Silt, some fine to medium Gravel, moist.	
975		7	10-12		0.0			
		8	12-14	3.0	0.0			
		9	14-15		2.7	[Dotted pattern]	Black fine SAND and SILT, strong petroleum odor, wet.	
15								
970								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs; 3-6': SVOCs, Inorganics, PCDD/PCDF; 10-15': SVOCs, Inorganics, PCDD/PCDF.

Date Start/Finish: 3/26/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531673.825  
 Easting: 130010.3872  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 985.4169  
 Descriptions By: AMB

Boring ID: RAA11-M11  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0		1	0-1		0.0		Gray-brown fine to coarse SAND, some fine to coarse Gravel, Concrete. [FILL]	Borehole backfilled with Bentonite.
990			1-3	3.1	0.0			
			3-4		0.0			
		4	4-6		0.0		Orange-brown fine SAND, trace medium to coarse Sand, some fine to coarse Gravel, moist.	
				3.8				
985		5	6-8		0.0			
		6	8-10		0.0		Gray-brown fine SAND, some fine to coarse Gravel, Concrete. [FILL]	
10				3.1				
		7	10-12		0.0	Dark brown fine SAND and SILT, trace Peat, moist.		
980								
		8	12-14		0.0	Gray fine to medium SAND, wet.		
				3.0				
		9	14-15		0.0			
15								
















**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.  
 Duplicate sample ID: RAA11-DUP-3 (PCBs: 6-10'). MS/MSD collected (PCBs: 10-15').

Date Start/Finish: 4/15/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531673.9744  
 Easting: 130110.376  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 984.29'  
 Descriptions By: JAB

Boring ID: RAA11-M13  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1		0.0		Brown fine SAND, some Silt and fine to coarse Gravel.	
		2	1-3	4.0	0.0		Orange-brown fine to medium SAND, trace Silt, little fine to coarse Gravel.	
		3	3-4		0.0		Pulverized Red BRICK.	
980							Dark brown fine SAND, little Silt, fine to medium Gravel, and Brick. [FILL]	
5		4	4-6		0.0			
		5	6-8	2.7	0.0			
		6	8-10		0.0			
975							Gray fine SAND, moist.	
10		7	10-12	2.4	0.0		Gray fine to medium SAND, wet.	
							Moist below 12' bgs.	
		8	12-14		0.0			
970		9	14-15	3.0	0.0			
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 10-15': PCBs.



Date Start/Finish: 4/17/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531674.0886  
 Easting: 130310.4106  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 985.24'  
 Descriptions By: AMB

Boring ID: RAA11-M17  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1	2.0	0.0		Brown coarse SAND and SILT, black Fill.	Borehole backfilled with Bentonite.
			1-3	2.0	0.0		Gray-brown coarse SAND and GRAVEL, moist.	
		3	3-4		0.0		Gray-brown fine to medium SAND, SILT and fine to medium GRAVEL.	
5	980	4	4-6	3.3	0.0		Gray-brown fine to medium SAND, some Silt and fine to medium Gravel, petroleum odor.	
		5	6-8	3.2	3.2			
		6	8-10	3.6	0.0		Gray-brown fine to coarse SAND, some fine Gravel, slight petroleum odor, moist.	
10			10-12		0.0		Gray-brown fine SAND and SILT, little Organic Material, peaty.	
		8	12-14	2.9	0.0		Gray-brown fine to coarse SAND, SILT and fine to medium GRAVEL, moist.	
		9			0.0		Gray SILT and fine SAND.	
15	970							













**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 10-15': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs.  
 MS/MSD collected (PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 10-15')

Date Start/Finish: 4/9/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531674.2059  
 Easting: 130410.3343  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 982.02'  
 Descriptions By: AMB

Boring ID: RAA11-M19  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
983								
0		1	0-1		0.0		Brown fine SAND, some Silt, fine to medium Gravel, and Organic Material.	
980		2	1-3	2.6	0.0		Pulverized red BRICK.	
		3	3-4		0.0			
5		4	4-6		0.0		Orange-brown fine SAND, some Silt, trace fine Gravel, moist.	
				3.2				
975		5	6-8		0.0		Gray fine SAND and SILT, moist.	
		6	8-10		0.0		Orange-brown fine to coarse SAND, trace Silt, wet.	
10		7	10-12		0.0			
				2.4				
970		8	12-14		0.0		Some fine to coarse Gravel below 12' bgs.	
		9	14-15		0.0			
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.

**Date Start/Finish:** 4/3/03  
**Drilling Company:** BBL  
**Driller's Name:** JJB  
**Drilling Method:** Direct Push  
**Auger Size:** NA  
**Rig Type:** Tractor Mounted Power Probe  
**Sample Method:** 4' Macrocore

**Northing:** 531703.7036  
**Easting:** 130505.9628  
**Casing Elevation:** NA  
  
**Borehole Depth:** 15' below grade  
**Surface Elevation:** 979.20'  
  
**Descriptions By:** AMB

**Boring ID:** RAA11-M21  
**Client:** General Electric Company  
  
**Location:** Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980								
		1	0-1		0.0		Brown fine SAND, little Silt, trace Organic Material, moist.	Borehole backfilled with Bentonite.
		2	1-3	3.2	0.0		Orange-brown fine to medium SAND, trace coarse Sand, Silt, and fine Gravel, moist.	
		3	3-4		0.0			
975							Wet below 4.0' bgs.	
		4	4-6		0.0			
				2.1				
		5	6-8		0.0			
970		6	8-10		0.0		Gray fine to coarse SAND, trace Silt and fine Gravel, wet.	
				2.6				
		7	10-12		0.0			
		8	12-14		0.0		Gray-brown fine to coarse SAND, some fine to coarse Gravel, wet.	
965				1.5				
		9	14-15		0.0			
15								




**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 10-15': PCBs.



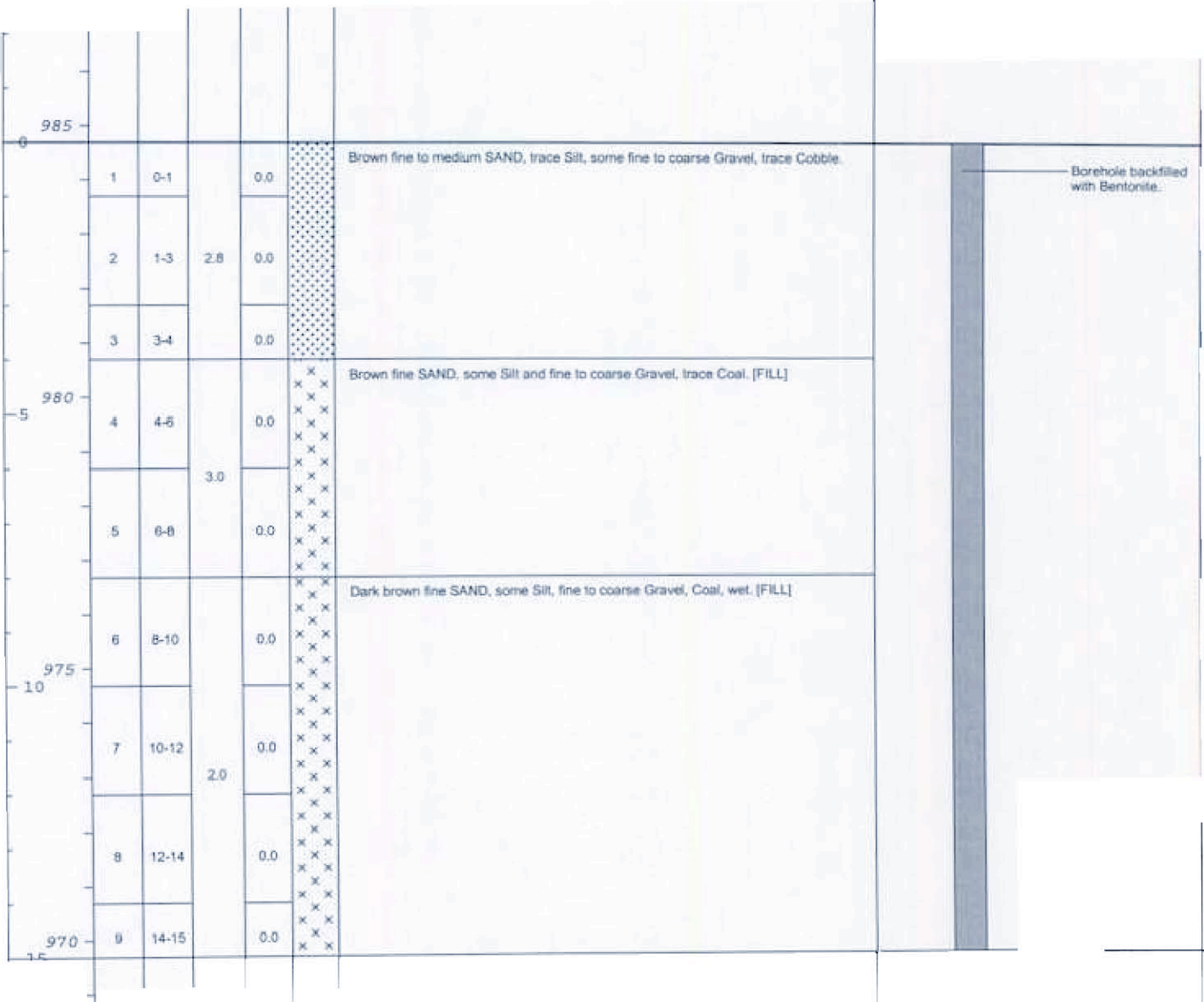
Date Start/Finish: 4/18/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 531574.0 Easting: 129910.4 Casing Elevation: NA Borehole Depth: 15' below grade Surface Elevation: 985.17 Descriptions By: AMB	Boring ID: RAA11-09 Client: General Electric Company Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1	0.0			Dark brown fine SAND, Silt, trace fine Gravel and Organic Material.	Borehole backfilled with Bentonite.
		2	-3	3.3	0.0		Gray-brown fine SAND and SILT, Gravel.	
		3	3-4	0.0			Brown fine SAND and SILT, Gravel.	
		4	4-6	0.0			Gray-black fine SAND, some Silt, little Gravel.	
5	980	5	6-8	0.0				
		6	8-10	0.0			Brown fine SAND, some Silt, little fine to coarse Gravel, moist.	
10	975	7	10-12	0.0				
		8	12-14	0.0			Gray-brown fine to medium SAND, little Silt, wet.	
		9	14-15	0.0				
15	970							

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest/Herb; 1-3': PCBs; 3-6': PCBs; 10-15': PCBs; Duplicate sample ID: RAA11-Dup-16 (Pest/Herb, 0-1).
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<b>Date Start/Finish:</b> 4/18/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531574.1 <b>Easting:</b> 130010.4 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 984.69  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-O11  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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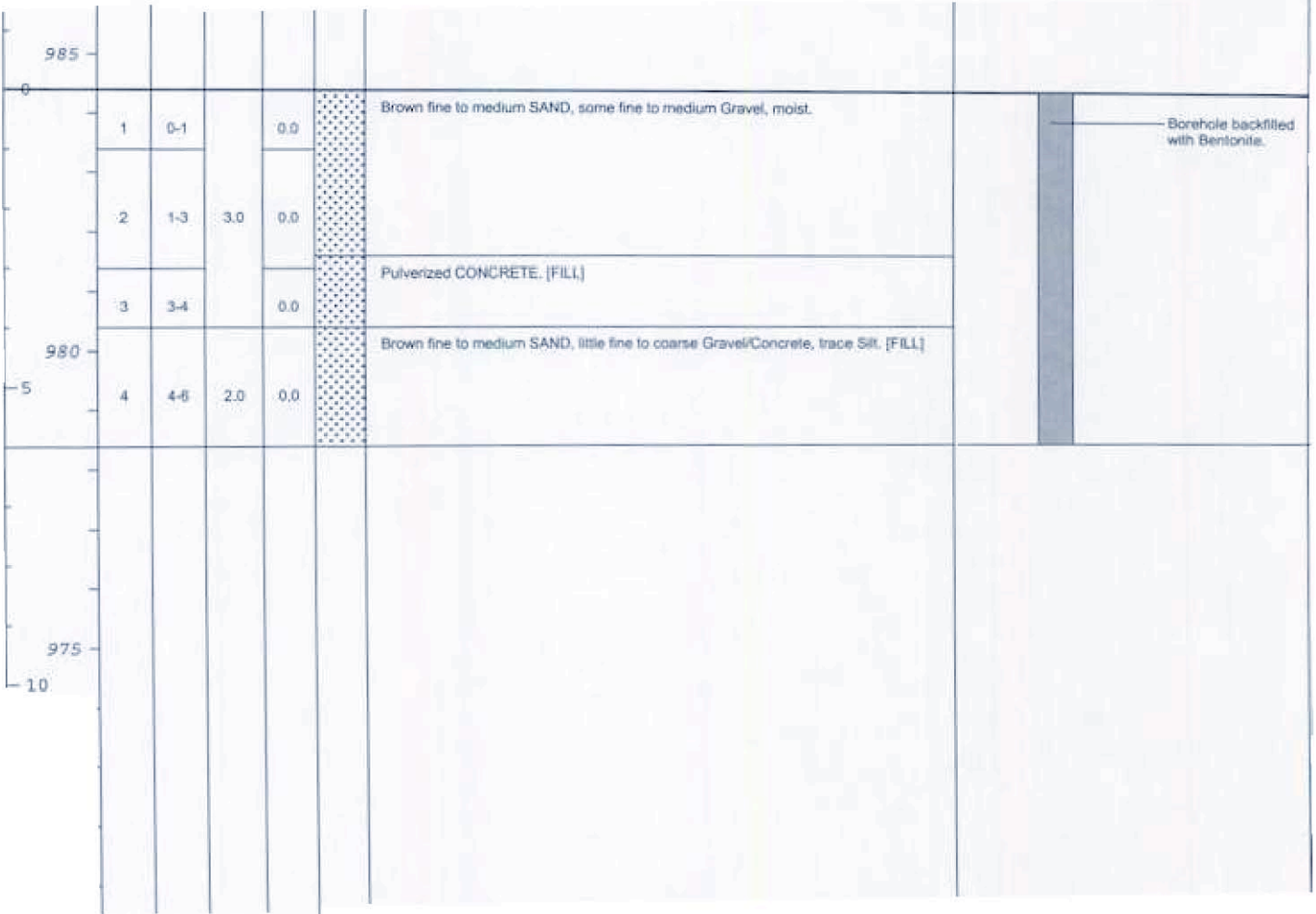
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
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<h1>BBL</h1> <p>BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.
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<b>Date Start/Finish:</b> 4/18/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531574.0586 <b>Easting:</b> 130060.3577 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 6' below grade <b>Surface Elevation:</b> 984.39'  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-O12  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
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 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs, VOCs (4-6'), SVOCs, Inorganics, PCDD/PCDF.
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





Date Start/Finish: 4/17/03 Drilling Company: BBL Driller's Name: JJB Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 531574.0374 Easting: 130110.4183 Casing Elevation: NA  Borehole Depth: 15' below grade Surface Elevation: 983.94'  Descriptions By: AMB	Boring ID: RAA11-O13  Client: General Electric Company  Location: Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
		1	0-1		0.0		Brown fine to coarse SAND, some Silt and fine to coarse Gravel, moist.	 Borehole backfilled with Bentonite.
		2	1-3	2.0	0.0			
		3	3-4		0.0			
980							Brown fine to medium SAND, little fine to coarse Gravel.	
		4	4-6		0.0		Pulverized Red Brick.	
		5	6-8	3.1	3.2		Gray-brown fine SAND and SILT, some fine to medium Gravel and Ash. [FILL]	
975							Olive-brown fine SAND and SILT, little fine to medium Gravel.	
		6	8-10		0.0			
		7	10-12	2.7	0.0		Gray-black fine to medium SAND, some Silt, little fine to medium Gravel	
970							Gray-brown fine to coarse SAND,	
		8	12-14		0.0			
		9	14-15		0.0		Gray Silty fine SAND.	
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.  
 Duplicate sample ID: (PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 0-1')

<b>Date Start/Finish:</b> 4/22/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531574.0 <b>Easting:</b> 130210.4 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 983.95  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-O15  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headpace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1		0.0		Brown fine SAND, little fine to medium Gravel and Organic Material, trace Silt.	 Borehole backfilled with Bentonite.
		2	1-3	3.4	0.0		Brown-black fine to medium SAND, some Silt, little fine to medium Gravel and Coal. [FILL]	
		3	3-4		0.0		Slight petroleum odor at 4.0' bgs.	
5		4	4-6		0.1		WOOD.	
		5	6-8	2.8	0.3		Gray-brown fine SAND, some Silt, trace fin to medium Gravel, slight petroleum odor.	
		6	8-10		0.7		Black-gray fine SAND, some Silt, Gravel and Concrete, moist. [FILL]	
10		7	10-12	3.8	0.3			
		8	12-14		0.0		Gray fine to medium SAND, little Silt, wet.	
15		9	14-15		0.0			

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs; Duplicate sample ID: RAA11-Dup-18 (PCBs, 0-1'); MS/MSD collected (PCBs; 10-15').
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Date Start/Finish: 4/22/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531574.1  
 Easting: 130310.4  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 983.23  
 Descriptions By: AMB

Boring ID: RAA11-O17  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
285								
0		1	0-1		0.0		Brown fine to medium SAND, some fine to coarse Gravel and Organic Material.	Borehole backfilled with Bentonite.
		2	1-3	2.1	0.0			
980		3	3-4		0.0			
		4	4-6		0.0		Brown fine SAND, some Silt and fine to medium Gravel.	
5							Pulverized LIMESTONE.	
		5	5-8		0.0		Brown fine SAND, some Silt and fine to medium Gravel, moist.	
				3.0				
975		6	8-10		0.0		Trace wood, wet at 8' bgs.	
10		7	10-12		0.0			
				2.7				
		8	12-14		0.0	Gray fine to coarse SAND, little Silt, wet.		
970								
		9	14-15		0.0			
				3.0				
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.

Date Start/Finish: 4/22/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531573.8  
 Easting: 130410.0  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 978.63  
 Descriptions By: AMB

Boring ID: RAA11-O19  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980								
0		1	0-1		0.0	x x x	Brown fine SAND, some Silt, little fine to medium Gravel, Organic Material, Concrete. [FILL]	Borehole backfilled with Bentonite.
		2	1-3	2.7	0.0	x x x		
975		3	3-4		0.0	x x x		
5		4	4-6		0.0	x x x	Brown-orange fine to medium SAND, some Silt, trace fine Gravel and Concrete. [FILL]	
		5	6-8	3.1	0.0	x x x		
970		6	8-10		0.0	x x x	Moist below 8' bgs.	
10		7	10-12	3.3	0.0	x x x	Orange fine to medium SAND, trace Silt, wet.	
		8	12-14		0.0	x x x	Gray-brown fine to medium SAND, trace Silt and fine Gravel, wet.	
965		9	14-15	3.0	0.0	x x x	Gray-brown fine to coarse SAND, trace Silt and fine Gravel, wet.	
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest/Herb;  
 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 3-6': VOCs (4-6'), SVOCs, Inorganics, PCDD/PCDF;  
 10-15': PCBs, VOCs (10-12'), SVOCs, Inorganics, PCDD/PCDF.

Date Start/Finish: 4/23/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531524.2  
 Easting: 130210.4  
 Casing Elevation: NA  
 Borehole Depth: 10' below grade  
 Surface Elevation: 983.83  
 Descriptions By: AMB

Boring ID: RAA11-P15  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C


















DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1	3.5	0.0		Orange-brown fine SAND, trace Silt, fine to medium Gravel and Organic Material.	Borehole backfilled with Bentonite.
		2	1-3		0.0		Gray-brown fine to medium SAND, some Concrete, Slag, Coal and fine to medium Gravel. [FILL]	
980		3	3-4		0.0			
5		4	4-6	2.4	1.0		Gray-brown fine SAND, little Silt, fine to medium Gravel, Concrete and Brick, slight petroleum odor. [FILL]	
		5	6-8		1.1			
975		6	8-10	1.9	0.0		Moist at 8' bgs.	
10								
970								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 6-10': Inorganics.



<b>Date Start/Finish:</b> 4/28/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531474.0 <b>Easting:</b> 129817.9 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 987.66  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-Q7  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990								
0		1	0-1	0.0			Light brown fine SAND, some fine to medium Gravel, trace Silt.	 Borehole backfilled with Bentonite.
		2	1-3	2.7	0.0			
985		3	3-4		0.0			
		4	4-6		0.0		Pulverized CONCRETE.	
				3.2			Brown fine SAND, little fine to medium Gravel and Brick. [FILL]	
		5	6-8		0.0			
980								
		6	8-10		0.0		Brown fine SAND, little Silt, fine to medium Gravel, Brick, moist.	
		7	10-12		0.0			
				2.0				
								
								
								
975		8	12-14		0.0		Gray-brown fine SAND and SILT, wet.	
				3.0				
		9	14-15		0.0			
15								

<h1>BBL</h1> <p>BLASLAND, BOUCK &amp; LEE, INC. engineers &amp; scientists</p>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs. Duplicate sample ID: RAA11-Dup-21 (PCBs, 6-10'). MS/MSD collected (PCBs, 1-3').
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Date Start/Finish: 4/28/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531474.0  
 Easting: 129910.4  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 986.31  
 Descriptions By: AMB

Boring ID: RAA11-Q9  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Interval/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0								
	985	1	0-1	0.0			Brown fine to medium SAND, some fine to coarse Gravel.	Borehole backfilled with Bentonite.
		2	1-3	2.6	0.0			
		3	3-4		0.0			
							Gray-brown fine to medium SAND, some fine to coarse Gravel, moist.	
-5		4	4-6		0.0		Pulverized COBBLE.	
	980						Gray fine to medium SAND, some Silt and fine to coarse Gravel, wet.	
		5	6-8		0.0			
		6	8-10		0.0			
-10							Gray fine SAND and SILT, little fine to medium Gravel, wet.	
	975	7	10-12		0.0			
							Gray fine SAND and SILT, some fine to coarse Gravel, wet.	
		8	12-14		0.0			
		9	14-15		0.0			
-15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.

Date Start/Finish: 4/29/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531473.9828  
 Easting: 129960.2199  
 Casing Elevation: NA  
 Borehole Depth: 10' below grade  
 Surface Elevation: 985.46'  
 Descriptions By: JAB

Boring ID: RAA11-Q10  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1		0.0	[Dotted pattern]	Brown fine to medium SAND, trace Silt, little fine to medium Gravel.	Borehole backfilled with Bentonite.
		2	1-3	2.5	0.0			
		3	3-4		0.0			
5	980	4	4-6		0.0			
		5	6-8	2.1	0.0			
		6	8-10	1.2	0.0			
10	975						Orange-brown fine SAND, some Silt and fine to coarse Gravel.	
							Moist below 8.0' bgs.	
15	970							



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': VOCs, SVOCs, Inorganics, PCDD/PCDF.

Date Start/Finish: 4/4/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531477.7593  
 Easting: 130013.3303  
 Casing Elevation: NA

Borehole Depth: 15' below grade  
 Surface Elevation: 984.76'

Descriptions By: AMB

Boring ID: RAA11-Q11  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	#Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985							
		1	0-1	2.4	0.0		Dark brown fine SAND, some Silt, trace Fill material, Brick, Organic Material, moist.	
		2	1-3	0.0				
		3	3-4	0.0				
5	980	4	4-6	2.7	0.8		Brown to black fine to medium SAND, some fine to coarse Gravel, slight odor.	
		5	6-8	0.2				
10	975	6	8-10	3.7	0.0		Gray-brown fine SAND, some Silt, trace fine to medium Gravel, moist.	
		7	10-12	0.0				
		8	12-14	3.6	0.0			
15	970	9	14-15	0.0	0.0		Brown fine to coarse SAND, some Silt, wet.	

Borehole backfilled with Bentonite.

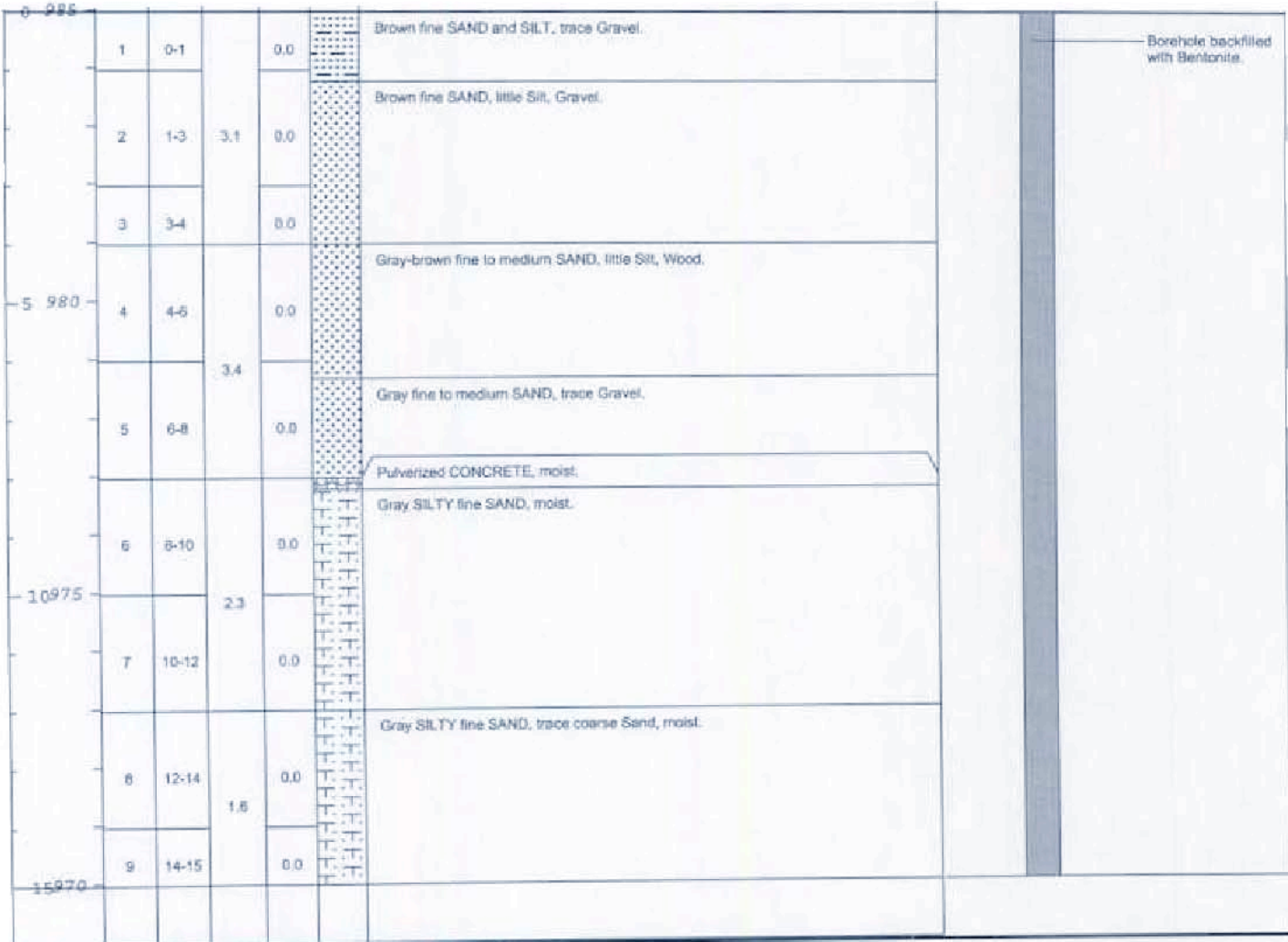



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.



<b>Date Start/Finish:</b> 4/23/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531474.1 <b>Easting:</b> 130110.3 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 984.96  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-Q13  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
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 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest/Herb; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs, SVOCs, Inorganics, PCDD/PCDF.
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Date Start/Finish: 4/22/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531474.0  
 Easting: 130210.4  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 983.67  
 Descriptions By: AMB

Boring ID: RAA11-Q15  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
		1	0-1	2.7	0.0		Brown fine SAND, little Silt, fine to medium Gravel and Organic Material.	Borehole backfilled with Bentonite.
		2	1-3	0.0	Brown-gray fine to medium SAND, little fine to coarse Gravel, trace Silt.			
980		3	3-4	0.0				
		4	4-6	0.0	Brown fine SAND, some Silt and fine to coarse Gravel, moist.			
		5	6-8	0.0				
		6	8-10	0.0	Pulverized CONCRETE.			
		7	10-12	0.0	Gray-black SILT with Sand, some Organic Material, wet.			
		8	12-14	0.0	Gray fine to medium SAND, trace Organic Material and Silt, wet.			
		9	14-15	0.0				



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.

Date Start/Finish: 4/22/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Electric Jack Hammer  
 Sample Method: 4' Macrocore

Northing: 531492.10  
 Easting: 130341.80  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 979.22  
 Descriptions By: AMB

Boring ID: RAA11-Q17  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980								
0		1	0-1	2.0	0.0	x x x	Brown fine to medium SAND, some fine Gravel, Brick and Concrete, trace Silt. [FILL]	Borehole backfilled with Bentonite.
		2	1-3	2.0	0.0	x x x		
		3	3-4		0.0	x x x	Moist below 4' bgs.	
5		4	4-6	2.2	2.2	x x x		
		5	6-8		4.7	•••••	Black-gray fine SAND, some Silt, trace fine Gravel and Brick, slight petroleum odor.	
10		6	8-10	3.0	10.2	•••••	Black-gray fine SAND and SILT, trace Organic Material and Gravel, wet, slight petroleum odor.	
		7	10-12		12.4	•••••	Gray-brown fine to coarse GRAVEL, wet, petroleum odor.	
		8	12-14	1.8	20.2	•••••	Gray-brown fine to coarse SAND, some fine to coarse Gravel, wet, slight petroleum odor.	
15		9	14-15		29.1	•••••		



**Remarks:** Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 3-6': VOCs (4-6'), SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs, VOCs (8-10), SVOCs, Inorganics, PCDD/PCDF; 10-15': PCBs, VOCs (14-15), SVOCs, Inorganics, PCDD/PCDF.

Date Start/Finish: 4/29/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531423.9996  
 Easting: 129860.2958  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 987.99'  
 Descriptions By: AMB

Boring ID: RAA11-R8  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990								
		1	0-1	0.0			Orange-brown fine to medium SAND, some fine to medium Gravel.	Borehole backfilled with Bentonite.
		2	1-3	2.4	0.4		Gray-brown fine SAND, some Silt, little fine to medium Gravel, slight petroleum odor.	
985		3	3-4	0.0			Gray fine SAND, some Silt and fine to coarse Gravel.	
			4-6	0.0			Moist below 4.0' bgs.	
			6-8	0.0				
			8-10	0.0			Gray-brown fine to medium SAND, some fine to coarse Gravel, Brick, Coal, and Ash. [FILL]	
10			10-12	0.6				
		8	12-14	0.0			Gray-brown fine to coarse SAND, some fine to medium Gravel, Ash, and Slag. [FILL]	
975		9		0.0				
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': VOCs, Inorganics, PCDD/PCDF; 10-15': VOCs, SVOCs, Inorganics, PCDD/PCDF.

Date Start/Finish: 4/29/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531374.0181  
 Easting: 129610.3355  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 990.25'  
 Descriptions By: AMB

Boring ID: RAA11-S3  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	990	1	0-1		0.0		Brown-orange fine SAND, some Silt and fine to coarse Gravel, moist.	
		2	1-3	2.7	0.0			
		3	3-4		0.0			
-5	985	4	4-6		11.5		Gray-brown fine to medium SAND, some fine to coarse Gravel, trace Silt, moist.	
		5	6-8	3.2	0.8			
		6	8-10		0.0		Gray-brown fine to medium SAND, trace fine Gravel, moist.	
10	980	7	10-12	2.5	0.0			
		8	12-14		0.0			
		9	14-15	3.0	0.0		Brown fine SAND, moist.	
							Brown fine to coarse SAND, trace fine Gravel, moist.	
15	975						Gray fine SAND and SILT, trace fine Gravel, wet.	

Borehole backfilled with Bentonite.



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.;  
 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs, VOCs, SVOCs,  
 Inorganics, PCDD/PCDF;  
 8-10': PCBs; 10-15': PCBs.



Date Start/Finish: 4/28/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531393.5  
 Easting: 129724.8  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 990.05  
 Descriptions By: AMB

Boring ID: RAA11-S5  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	990	1	0-1	0.0		x x x x	Brown fine to medium SAND, some fine to coarse Gravel, trace Brick. [FILL]	Borehole backfilled with Bentonite.
		2	1-3	3.1	0.0	x x x x		
		3	3-4	0.0	0.0	x x x x		
5	985	4	4-6	3.8	0.0	x x x x	Brown fine SAND, some Silt and fine to coarse Gravel, trace Brick. [FILL]	
		5	6-8	0.0	0.0	x x x x	Gray-brick fine SAND, some Silt and fine to coarse Gravel, moist.	
		6	8-10	3.7	0.0	•••••	Gray fine SAND, some Silt, little fine to coarse Gravel, moist.	
10	980	7	10-12	0.0	0.0	•••••	Gray fine SAND and SILT, little fine to coarse Gravel, wet.	
		8	12-14	3.0	0.0	•••••		
		9	14-15	0.0	0.0	•••••		
15	975							



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 3-6': PCBs; 10-15': PCBs.



Date Start/Finish: 4/29/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531379.1331  
 Easting: 129810.2948  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 989.87'  
 Descriptions By: AMB

Boring ID: RAA11-S7  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	990							
		1	0-1		0.0		Orange-brown fine to medium SAND, some fine to coarse Gravel, trace Silt.	 Borehole backfilled with Bentonite.
		2	1-3	3.1	0.0			
		3	3-4		0.0			
5	985	4	4-6		0.0		Gray-brown fine SAND, some Silt, little fine Gravel, Coal, and Ash, moist. [FILL]	
		5	6-8	2.4	0.0			
10	980	6	8-10		0.0		Gray-brown COALASH, moist. [FILL]	
		7	10-12		0.0		Gray fine SAND and SILT, trace fine Gravel, moist.	
							Wet below 12' bgs.	
		8	12-14		0.0		Gray-black fine to coarse SAND, trace fine to medium Gravel, wet.	
		9	14-15	1.8	0.0			
15	975							



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs;  
 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.

Date Start/Finish: 4/29/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531374.1015  
 Easting: 129917.3492  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 987.68'  
 Descriptions By: AMB

Boring ID: RAA11-S9  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990								
0		1	0-1		0.0		Brown-orange fine to medium SAND, little Silt and fine to coarse Gravel, moist.	 Borehole backfilled with Bentonite.
		2	1-3	2.3	0.0			
985		3	3-4		0.0			
		4	4-6		0.0		Pulverized SANDSTONE.	
5		5	6-8	2.0	0.0		Brown-black fine SAND, some Coal and Ash. [FILL]	
		6	8-10		0.0		Moist below 8.0' bgs.	
980		7	10-12	2.0	0.0			
		8	12-14		0.0		Gray-black fine SAND, some Silt, little fine to medium Gravel, wet.	
975		9	14-15	3.0	0.0			
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.

Date Start/Finish: 5/1/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531343.9698  
 Easting: 130015.32  
 Casing Elevation: NA  
 Borehole Depth: 18' below grade  
 Surface Elevation: 986.78'  
 Descriptions By: LMS

Boring ID: RAA11-S11  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run #/Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	#Geologic Column	Stratigraphic Description	Boring Construction
0								
	985	1	0-1		0.0		Olive-brown fine SAND, some medium Sand and Silt, trace coarse Sand and fine to coarse poorly sorted Gravel, loose.	Borehole backfilled with Bentonite.
		2	1-3	3.1	0.0			
		3	3-4		0.0			
5		4	4-6		0.0		Trace Ash, Porcelain, Wood Chips (from 4.0' - 5.0' bgs), Coal, and Brick, firm, moist.	
	980	5	6-8	2.4	0.0			
		6	8-10		0.0		Olive-brown fine to medium SAND, trace coarse Sand, trace Coal, loose, moist.	
10		7	10-12	3.0	0.0		Olive-brown SILT, trace fine Sand, little fine to coarse poorly sorted Gravel, firm, wet.	
	975	8	12-14		0.0		Olive-brown fine to medium SAND and SILT, trace coarse Sand and fine to medium poorly sorted Gravel, very dark brown highly degraded natural Organic Material, trace Glass and Wood pulp, firm, moist.	
15		9	14-16	2.8	0.0			



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 3-6': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs; 10-15': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 15'-18': PCBs.  
 MS/MSD collected (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, 1-3')

Client:  
 General Electric Company  
 Site Location:  
 Former Oxbow Areas A and C

Boring ID: RAA11-S11  
 Borehole Depth: 18' below grade

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
970		10	16-18	1.8	0.0		Very dark brown SILT (highly degraded natural Organic Material), trace Wood Chips and Rootlets (natural), firm, moist.	Borehole backfilled with Bentonite.
							Gray fine to coarse SAND and fine to medium GRAVEL, dense, wet.	
20								
965								
960								
955								
35								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 1-3':  
 PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 3-6': PCBs, VOCs,  
 SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs; 10-15': PCBs, VOCs, SVOCs,  
 Inorganics, PCDD/PCDF; 15'-18': PCBs.  
 MS/MSD collected (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, 1-3')

<b>Date Start/Finish:</b> 4/23/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 531395.5	<b>Northing:</b> 531395.5 <b>Easting:</b> 130111.0 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 984.96  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-S13  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1	0.0			Orange-brown fine SAND, trace Silt and Organic Material.	Borehole backfilled with Bentonite.
		2	1-3	3.0	0.0		Orange-brown fine SAND, little Silt, fine to coarse Gravel and Coal. [FILL]	
		3	3-4	0.0				
5	980	4	4-6	0.0			Gray-brown fine SAND, some Silt and fine to coarse Gravel, moist.	
				3.8			Pulverized CONCRETE.	
		5	6-8	0.0			Gray-brown fine SAND, some Silt, little fine to medium Gravel, moist.	
		6	8-10	0.0			WOOD.	
10	975			3.6			Gray-brown fine SAND, some Silt, Wood, Coal and Ash, moist. [FILL]	
		7	10-12	0.0				
		8	12-14	0.0			Gray-black SILT, wet, strong petroleum odor.	
15	970	9	14-15	0.0				



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.



<b>Date Start/Finish:</b> 4/23/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Truck Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531398.6 <b>Easting:</b> 130231.9 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 982.81  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-S15  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985								
0		1	0-1		0.0		Brown fine SAND, some Silt, fine to medium Gravel and Organic Material, moist.	Borehole backfilled with Bentonite.
		2	1-3	2.4	0.0			
980		3	3-4		0.0			
		4	4-6		0.2	x x x	Brown fine SAND, some Silt, fine to medium Gravel, Coal, Brick, and Ash. [FILL]	
5		5	6-8	3.8	0.0	x x x		
		6	8-10		0.0	x x x	Gray-brown fine SAND and SILT, little Coal, Ash, and Brick, moist. [FILL]	
975		7	10-12	3.6	0.0	x x x		
		8	12-14		0.0		Dark brown PEAT, some Silt and Wood, wet.	
10		9	14-15	3.0	0.0		Brown fine SAND and SILT, little Peat, wet.	
970								
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs, VOCs (4-6'),  
 SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs; 10-15': PCBs.  
 Duplicate sample ID: RAA11-Dup-19 (PCBs, VOCs, SVOCs, Inorganics,  
 PCDD/PCDF; 3-6').

Date Start/Finish: 4/23/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Electric Jack Hammer  
 Sample Method: 4' Macrocore

Northing: 531375.8  
 Easting: 130309.3  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 979.41  
 Descriptions By: AMB

Boring ID: RAA11-S17  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
980	0	1	0-1	0.0			Brown-orange fine SAND, some Silt, fine to medium Gravel and Organic Material, moist.	Borehole backfilled with Bentonite.
		2	1-3	2.2	0.0			
		3	3-4		0.0			
975	5	4	4-6	0.0			Gray-brown fine to medium SAND, some Silt, trace fine Gravel and Organic Material.	
		5	6-8	2.9	0.0		Moist at 8.0' bgs.	
970	10	6	8-10	0.0			Gray fine SAND, some Silt, wet.	
		7	10-12	4.0	0.0		Gray-black fine to medium SAND, some Peat, wet.	
		8	12-14	0.0			Gray-black fine to medium SAND, some Silt (alternating layers), wet.	
965	15	9	14-15	3.0	0.0			



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF; 10-15': PCBs.  
 MS/MSD collected (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 0-1').

Date Start/Finish: 4/30/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531324.0859  
 Easting: 129660.3029  
 Casing Elevation: NA  
 Borehole Depth: 10' below grade  
 Surface Elevation: 990.44'  
 Descriptions By: AMB

Boring ID: RAA11-T4  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	990	1	0-1	3.1	0.0	[Patterned]	Brown fine to medium SAND, some fine to medium Gravel, trace Silt and Coal. [FILL]	Borehole backfilled with Bentonite.
		2	1-3	3.1	0.0			
		3	3-4	3.1	0.0			
5	985	4	4-6	3.8	0.0	[Patterned]	Gray-brown fine to medium SAND.	
		5	6-8	3.8	0.0			
		6	8-10	2.0	0.0	[Patterned]	Gray-brown fine to coarse SAND, trace Silt, moist.	
10	980							
15	975							

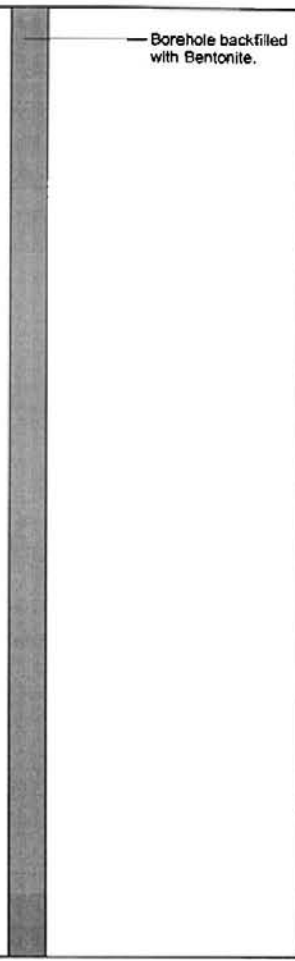


Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': VOCs, Inorganics, PCDD/PCDF.

Date Start/Finish: 4/30/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531324.0059  
 Easting: 129760.2965  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 990.00'  
 Descriptions By: AMB

Boring ID: RAA11-T6  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headpace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
	985	1	0-1		0.0		Brown fine to medium SAND, some fine to coarse Gravel, trace Silt.	
		2	1-3	2.6	0.0		Pulverized ASPHALT. Orange-brown fine SAND, some fine Gravel, Coal, and Ash. [FILL]	
		3	3-4		0.0			
		4	4-6		0.0		Orange-brown fine SAND.	
		5	6-8	3.1	0.0		Gray-brown fine to coarse SAND.	
		6	8-10		0.0		Little fine to medium Gravel, moist below 8.0' bgs.	
	10980	7	10-12	3.3	0.0			
		8	12-14		0.0		Gray fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	
		9	14-15	3.0	0.0			



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': VOCs, SVOCs, Inorganics, PCDD/PCDF; 6-10': VOCs, SVOCs, Inorganics, PCDD/PCDF; 10-15': VOCs, SVOCs, Inorganics, PCDD/PCDF.



Date Start/Finish: 5/1/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531324.0093  
 Easting: 130060.3059  
 Casing Elevation: NA  
 Borehole Depth: 10' below grade  
 Surface Elevation: 985.58'  
 Descriptions By: LMS

Boring ID: RAA11-T12  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	985	1	0-1		0.0		Olive-brown fine to medium SAND, trace fine to coarse Gravel, trace Brick, little Ash from 0.5' - 1.5' bgs. loose, moist.	 Borehole backfilled with Bentonite.
		2	1-3	2.8	0.0			
		3	3-4		0.0			
5	980	4	4-6		0.0		BRICK, WOOD PULP, COBBLE (pulverized Shale).	
		5	6-8	3.0	0.0		Olive-brown fine to medium SAND, trace coarse Sand and fine to medium Gravel, trace Ash, Porcelain, Brick, and Slag throughout, firm, wet.	
		6	8-10	1.5	0.0		Olive gray-brown fine to medium SAND, trace coarse Sand and fine Gravel, trace Ash, Porcelain, and Wood throughout, wet.	
10	975							
15	970							















**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 1-3':  
 VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 3-6': VOCs, SVOCs,  
 Inorganics, PCDD/PCDF; 6-10': VOCs, SVOCs, Inorganics, PCDD/PCDF.  
 Duplicate sample ID: RAA11-T12 (PCBs, VOCs, SVOCs, Inorganics,  
 PCDD/PCDF, Pest./Herb., 0-1')



Date Start/Finish: 4/29/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531293.501  
 Easting: 129610.4459  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 990.89'  
 Descriptions By: AMB

Boring ID: RAA11-U3  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0								
990		1	0-1		0.0		Brown fine to medium SAND, trace fine to medium Gravel.	 Borehole backfilled with Bentonite.
		2	1-3	2.1	0.0		Brown-black fine to coarse SAND, some fine to medium Gravel, Coal, and Ash. [FILL]	
		3	3-4		0.0			
		4	4-6		0.0		Brown fine to medium SAND, trace Silt and fine Gravel, moist.	
985				2.7			Gray-brown fine to medium SAND, trace Silt and fine Gravel, moist.	
		5	6-8		0.0			
		6	8-10		0.0		Olive-gray fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	
10				3.7				
980		7	10-12		0.0		Slight petroleum odor below 12' bgs.	
		8	12-14		0.0			
		9	14-15		0.0			
15								
975								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.  
 Duplicate sample ID: RAA11-DUP-22 (PCBs, 3-6').  
 MS/MSD collected (PCBs, 1-3').

Date Start/Finish: 4/29/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531288.0293  
 Easting: 129717.4867  
 Casing Elevation: NA  
 Borehole Depth: 21' below grade  
 Surface Elevation: 990.50'  
 Descriptions By: AMB

Boring ID: RAA11-U5  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0								
990		1	0-1		0.0		Brown fine SAND, some fine to coarse Gravel.	Borehole backfilled with Bentonite.
		2	1-3	3.8	0.0			
		3	3-4		0.0			
5	985	4	4-6		0.0		Brown-orange fine SAND, some Silt, little fine to coarse Gravel, moist.	
		5	6-8	2.4	0.0			
10	980	6	8-10		0.0		Gray-brown fine to coarse SAND, trace Silt and fine Gravel, moist.	
		7	10-12	2.0	0.0			
15	975	8	12-14		0.0		Gray-brown fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	
		9	14-16	3.6	0.0			



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs; 15-21': PCBs.

Client:  
General Electric Company

Boring ID: RAA11-U5

Site Location:  
Former Oxbow Areas A and C

Borehole Depth: 21' below grade

DEPTH	ELEVATION	Sample Run Number	Sample/In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
		10	18-18		0.0		Gray-brown fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	<p>Borehole backfilled with Bentonite.</p>
		11	18-20	4.0	0.0			
20	970	12	20-21	1.0	0.0			
25	965							
30	960							
35	955							

**BBL**  
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Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs; 15-21': PCBs.

Date Start/Finish: 4/30/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531284.0395  
 Easting: 129810.4343  
 Casing Elevation: NA  
 Borehole Depth: 19' below grade  
 Surface Elevation: 989.71'  
 Descriptions By: AMB

Boring ID: RAA11-U7  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990								
		0-1		0.0			Brown fine to medium SAND, some fine to coarse Gravel, trace Silt.	Borehole backfilled with Bentonite.
		2	1-3	3.0	0.0			
		3	3-4		0.0			
985		4	4-6		0.0		Brown-orange-gray fine to medium SAND, mottled, moist.	
		5	6-8	3.8	0.0			
		6	8-10		0.0			
980		7	10-12	3.7	0.0		Gray-brown fine to coarse SAND, trace Silt, wet.	
10		8	12-14		0.0		Gray fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	
975		9	14-16	4.0	0.0			
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs, VOCs (8-10'), SVOCs, Inorganics,  
 PCDD/PCDF; 10-15': PCBs; 15'-19': PCBs.

**Client:**  
 General Electric Company  
**Site Location:**  
 Former Oxbow Areas A and C

**Boring ID:** RAA11-U7  
**Borehole Depth:** 19' below grade

DEPTH	ELEVATION	Sample Run Number	Sample/In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
		10	16-18	3.0	0.0		Gray fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	
		11	18-19		0.0			
20	970							
25	965							
30	960							
35	955							

Borehole backfilled with Bentonite.



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs, VOCs (8-10'), SVOCs, Inorganics,  
 PCDD/PCDF; 10-15': PCBs; 15'-19': PCBs.



Date Start/Finish: 4/30/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531294.0894  
 Easting: 129910.3181  
 Casing Elevation: NA  
 Borehole Depth: 18' below grade  
 Surface Elevation: 988.77'  
 Descriptions By: AMB

Boring ID: RAA11-U9  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990								
0		1	0-1		0.0		Orange-brown fine to medium SAND, little fine to medium Gravel.	 Borehole backfilled with Bentonite.
		2	1-3	2.5	0.0		Little Silt, moist below 2.3' bgs.	
985		3	3-4		0.0			
		4	4-6		0.0		Dark brown fine to medium SAND, trace fine Gravel.	
5		5	6-8	2.1	0.0			
		6	8-10		0.0		Trace Silt, moist below 8.0' bgs.	
980		7	10-12	3.6	0.0			
10		8	12-14		0.0		Gray fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	
975		9	14-16	3.1	0.0			
15								





Remarks: bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs; 15'-18': PCBs.

**Client:**  
General Electric Company

**Boring ID:** RAA11-U9

**Site Location:**  
Former Oxbow Areas A and C

**Borehole Depth:** 18' below grade

DEPTH	ELEVATION	Sample Run Number	Sample/In/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
		10	16-18	2.0	0.0		Gray fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	 Borehole backfilled with Bentonite.
970								
20								
965								
25								
960								
30								
955								
35								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF;  
1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs; 15'-18': PCBs.

Date Start/Finish: 5/1/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531274.012  
 Easting: 130010.348  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 987.93'  
 Descriptions By: LMS

Boring ID: RAA11-U11  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990								
			0-1		0.0		Dark brown fine SAND, trace medium to coarse Sand, trace Porcelain and Coal, loose, moist.	Borehole backfilled with Bentonite.
		2	1-3	2.7	0.0		Olive-brown SILT, trace medium to coarse Sand and fine Gravel, firm, moist.	
985			3-4		0.0		Trace fine Sand, trace Brick and Coal Ash, poorly sorted, moist below 4.0' bgs.	
5			4-6		0.0			
				3.2				
		5	6-8		0.0			
980			8-10		0.0		Olive-brown fine SAND and SILT, little fine to coarse Gravel and medium to coarse Sand, poorly sorted, trace Brick, firm, wet.	
10				2.7			Dark brown fine SAND and lightly degraded natural Organic Material, trace Brick, Coal, and Porcelain, trace Rootlets, soft, moist.	
		7	10-12		0.0			
975			12-14		0.0		Dark brown fine to medium SAND and highly decayed natural Organic Material (SILT), trace coarse Sand and Rootlets, firm, wet.	
				2.8			Very dark brown highly degraded natural Organic Material (SILT), some Wood and degraded Grass, laminated, trace coarse Gravel pieces, soft, firm.	
		9	14-15		0.0		Olive-gray very fine to fine micaceous SAND, slight Iron staining, wet.	
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 1-3':  
 PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 3-6': PCBs, VOCs,  
 SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs, VOCs (6-8'), SVOCs, Inorganics,  
 PCDD/PCDF, Pest./Herb.; 10-15': PCBs.

<b>Date Start/Finish:</b> 4/30/03 <b>Drilling Company:</b> BBL <b>Driller's Name:</b> JJB <b>Drilling Method:</b> Direct Push <b>Auger Size:</b> NA <b>Rig Type:</b> Tractor Mounted Power Probe <b>Sample Method:</b> 4' Macrocore	<b>Northing:</b> 531174.0285 <b>Easting:</b> 129717.5726 <b>Casing Elevation:</b> NA  <b>Borehole Depth:</b> 15' below grade <b>Surface Elevation:</b> 992.82'  <b>Descriptions By:</b> AMB	<b>Boring ID:</b> RAA11-W5  <b>Client:</b> General Electric Company  <b>Location:</b> Former Oxbow Areas A and C
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
0			0-1		0.0		Brown fine to medium SAND, some fine to medium Gravel, trace Silt.	 — Borehole backfilled with Bentonite.
		2	1-3	2.7	0.0			
990		3	3-4		0.0		Pulverized COBBLE.	
		4	4-6		0.0		Light brown fine to medium SAND, some fine to medium Gravel.	
5		5	6-8	2.1	0.0		Gray-brown fine SAND, some Silt, little fine to medium poorly sorted Gravel.	
		6	8-10		0.0		Moist below 8.0' bgs.	
985								
			10-12		0.0		Pulverized COBBLE.	
10				2.0			Gray-brown fine SAND and SILT, little fine to medium poorly sorted Gravel, moist.	
		8	12-14		0.0			
			14-15		0.0			
980				3.0				
15								

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers &amp; scientists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs; 3-6': PCBs; 6-10': PCBs; 10-15': PCBs.
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Date Start/Finish: 4/30/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531187.6987  
 Easting: 129819.3316  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 992.35'  
 Descriptions By: AMB

Boring ID: RAA11-W7  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995								
		1	0-1		0.0		Brown-orange fine SAND, some Silt, and fine to coarse Gravel.	Borehole backfilled with Bentonite.
990		2	1-3	3.8	0.0			
		3	3-4		0.0			
5		4	4-6		0.0		Orange-brown fine to medium SAND, trace fine Gravel, moist.	
				3.2				
985		5	6-8		0.0		Gray-brown color below 6.8' bgs.	
		6	8-10		0.0		Gray-brown fine to coarse SAND, trace fine Gravel and Silt, moist.	
10		7	10-12		0.0		Gray fine SAND and SILT, little fine to medium poorly sorted Gravel, wet.	
				3.7				
980		8	12-14		0.0			
		9	14-15		0.0			
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF; 3-6': PCBs, VOCs (4-6'), SVOCs, Inorganics, PCDD/PCDF; 6-10': PCBs; 10-15': PCBs, VOCs (10-12'), SVOCs, Inorganics, PCDD/PCDF.  
 Duplicate sample ID: RAA11-DUP-23 (PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, 3-6'). MS/MSD collected (1-3').



Date Start/Finish: 5/2/03  
 Drilling Company: BBL  
 Driller's Name: JJB  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 531205.0164  
 Easting: 130007.7054  
 Casing Elevation: NA  
 Borehole Depth: 15' below grade  
 Surface Elevation: 989.88'  
 Descriptions By: AMB

Boring ID: RAA11-W11  
 Client: General Electric Company  
 Location: Former Oxbow Areas A and C

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	990	1	0-1		0.0	[Dotted pattern]	Orange-brown fine to medium SAND, trace Silt and fine Gravel.	Borehole backfilled with Bentonite.
		2	1-3	2.7	0.0			
		3	3-4		0.0			
5	985	4	4-6		0.0	[Dotted pattern]	Gray-brown fine to medium SAND, trace Silt.	
		5	6-8	3.0	0.0			
		6	8-10		0.0		Moist at 8.0' bgs.	
10	980	7	10-12		0.0	[Dotted pattern]		
		8	12-14		0.0		Gray fine to medium SAND, little Silt, wet.	
		9	14-15	2.3	0.0			
15	975							



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.  
 Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 1-3':  
 PCBs, VOCs, SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 3-6': PCBs, VOCs  
 (4-6'), SVOCs, Inorganics, PCDD/PCDF, Pest./Herb.; 6-10': PCBs; 10-15': PCBs,  
 VOCs (12-14'), SVOCs, Inorganics, PCDD/PCDF.  
 Duplicate sample ID: RAA11-DUP-25 (PCBs, VOCs, SVOCs, Inorganics,  
 PCDD/PCDF; 10-15')

**TABLE A-1  
SUMMARY OF PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA11-B24	532215.0766	130660.2548	979.07	4/2/2003	PCBs	Brown fine SAND, some Silt, trace Organic Material, moist.
RAA11-B25	532212.6889	130710.4177	981.96	4/2/2003	PCBs	Brown fine SAND, some Silt, trace Brick and Organic Material.
RAA11-C18	532158.069	130360.2508	983.97	3/31/2003	PCBs	Dark brown fine to medium SAND, some fine to coarse Gravel and Slag, pulverized Sandstone below 0.8' bgs. [FILL]
RAA11-C23	532174.0169	130610.6306	979.92	4/2/2003	VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Brown fine SAND, some Silt, trace Organic Material.
RAA11-C24	532174.0915	130660.2585	978.82	4/2/2003	PCBs	Brown fine SAND, some Silt and Concrete, trace Organic Material. [FILL]
RAA11-D14	532111.9045	130168.0466	981.30	3/25/2003	PCBs	Brown fine to medium SAND, little fine to medium Gravel, wet.
RAA11-D15	532110.8871	130210.3548	983.18	3/25/2003	PCBs	Brown fine SAND, some fine to medium Gravel and Organic Material, wet.
RAA11-D16	532121.8272	130260.6013	984.20	3/25/2003	PCBs	Brown-gray fine to medium SAND, trace fine to medium Gravel, moist.
RAA11-D19	532123.9935	130410.3176	985.62	3/25/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Brown fine to medium SAND, little fine to medium Gravel, moist.
RAA11-D26	532123.0756	130760.234	980.03	4/2/2003	VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Gray-brown fine to medium SAND, some Silt, trace fine Gravel and Organic Material.
RAA11-E14	532073.9519	130160.3383	984.40	3/28/2003	PCBs	Brown-gray fine to medium SAND, some coarse Sand and fine to coarse Gravel, moist.
RAA11-E16	532074.0787	130260.3363	985.69	3/31/2003	PCBs	Dark brown fine to medium SAND, some fine to coarse Gravel and Slag, petroleum odor. [FILL]
RAA11-E20	532071.9385	130460.2851	986.87	3/25/2003	PCBs	Brown fine to medium SAND, little fine to medium Gravel, moist.
RAA11-F12	532024.0459	130060.3242	984.75	3/25/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs, Pest./Herb.	Brown-gray fine to medium SAND, some fine to coarse Gravel, moist.
RAA11-F13	532024.0498	130110.4027	983.84	3/25/2003	PCBs	Dark brown fine to coarse SAND, some fine to coarse Gravel and Slag, moist. [FILL]
RAA11-F14	532023.9322	130160.3704	983.86	3/25/2003	PCBs	Brown fine to medium SAND, trace fine Gravel and Organic Material, moist.
RAA11-F15	532023.9772	130210.347	984.57	3/25/2003	PCBs	Brown fine to medium SAND, some fine to medium Gravel and Slag, moist. [FILL]
RAA11-F16	532024.0315	130260.3385	984.93	3/25/2003	PCBs	Orange-brown fine SAND, trace fine to medium Gravel and Organic Material, moist.
RAA11-F17	532023.962	130310.4008	985.41	3/25/2003	PCBs	Gray-brown fine SAND, some Organic Material, trace fine Gravel, moist.
RAA11-F26	532023.5772	130760.2229	982.97	4/2/2003	VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Gray-brown fine to medium SAND, some Silt, trace fine Gravel and Organic Material.
RAA11-F27	532023.9402	130810.5064	982.11	4/2/2003	PCBs	Brown fine SAND, little Silt, some Coal and Ash. [FILL]
RAA11-G12	531964.6674	130067.356	983.65	3/25/2003	PCBs	Dark brown fine to coarse SAND, some fine to medium Gravel and Slag, wet. [FILL]
RAA11-G14	531973.9956	130160.3433	984.18	3/25/2003	PCBs	Dark brown fine to coarse SAND, some fine to medium Gravel and Slag, slight petroleum odor, wet. [FILL]

**TABLE A-1  
SUMMARY OF PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA11-G22	531973.9562	130560.2761	985.98	4/8/2003	PCBs	Dark brown fine SAND, trace Silt, Gravel, and Organic Material.
RAA11-H11	531923.9701	130028.355	984.97	3/26/2003	PCBs	Gray fine to medium SAND, some fine to medium Gravel, moist.
RAA11-H12	531924.0887	130060.291	983.95	3/25/2003	PCBs	Dark brown fine SAND and SILT, some fine to medium Gravel and Slag, wet. [FILL]
RAA11-H13	531924.2138	130111.1327	983.64	4/14/2003	PCBs	Dark brown fine SAND, some Silt, Organic Material, and Brick. [FILL]
RAA11-H14	531923.9624	130160.2198	984.42	4/14/2003	PCBs	Brown fine SAND, some Silt, little fine Gravel and Organic Material.
RAA11-H15	531923.9977	130210.4451	985.17	3/25/2003	PCBs, VOCs, PCDDs/PCDFs	Brown fine SAND and SILT, trace fine Gravel and Organic Material, moist.
RAA11-H19	531924.1037	130410.3178	986.22	4/8/2003	PCBs	Dark brown fine SAND, trace Organic Material.
RAA11-H20	531923.9828	130460.3129	985.56	4/8/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Dark brown fine SAND, trace Organic Material.
RAA11-H21	531924.0212	130510.2915	985.70	4/8/2003	PCBs	Dark brown fine SAND, trace Silt, fine Gravel, and Organic Material.
RAA11-H23	531923.1704	130609.5515	981.60	4/8/2003	PCBs	Dark brown fine SAND, trace Silt and Organic Material.
RAA11-H26	531927.614	130741.6412	983.66	4/2/2003	PCBs	Brown fine SAND, some Silt, trace fine to medium Gravel.
RAA11-I12	531874.0915	130060.2857	981.71	4/16/2003	PCBs	Gray fine SAND and SILT, trace Organic Material and Coal. [FILL]
RAA11-I14	531874.1363	130160.2765	988.74	4/16/2003	PCBs	Dark brown fine SAND and SILT, some Organic Material, moist.
RAA11-I16	531874.0756	130260.2304	984.90	4/14/2003	PCBs	Brown fine SAND, trace fine Gravel and Organic Material, moist.
RAA11-I18	531874.0822	130360.3006	983.11	4/14/2016	PCBs	Brown fine SAND, little Silt, fine Gravel, and Organic Material.
RAA11-I20	531874.1046	130460.3376	985.24	4/14/2003	PCBs (Duplicate ID: RAA11-DUP-11)	Brown fine SAND, some Silt, little fine Gravel and Organic Material.
RAA11-I22	531873.876	130560.724	981.63	4/8/2003	PCBs	Dark brown fine to medium SAND, trace Silt and Organic Material.
RAA11-J11	531824.0706	130010.4131	979.34	3/25/2003	PCBs	Dark brown fine SAND and SILT, some fine to medium Gravel and Organic Material, wet.
RAA11-J12	531818.4831	130063.1252	995.35	4/16/2003	PCBs	Dark brown fine SAND, some Silt, trace fine Gravel and Brick. [FILL]
RAA11-J13	531823.9339	130110.6743	990.52	4/16/2003	PCBs	Dark brown fine SAND and SILT, some fine Gravel and Organic Material.
RAA11-J14	531823.925	130160.2109	983.28	4/14/2003	PCBs	Dark brown fine SAND, some Silt, little fine Gravel and Organic Material.
RAA11-J15	531824.0556	130210.3943	985.53	4/14/2003	PCBs	Brown fine SAND, some Silt, little fine Gravel and Organic Material.
RAA11-J18	531824.1295	130360.3624	983.81	4/14/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Gray-brown fine to coarse SAND, some Silt, fine Gravel, and Organic Material.
RAA11-J19	531823.9494	130410.3451	984.49	4/14/2003	PCBs	Gray fine SAND, some Silt, little fine Gravel, Organic Material, and Brick. [FILL]
RAA11-J20	531824.1463	130460.3758	983.26	4/8/2003	PCBs	Dark brown fine SAND, trace Silt, fine Gravel, and Organic Material.

**TABLE A-1  
SUMMARY OF PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA11-J21	531824.0789	130510.3823	982.00	4/8/2003	PCBs	Brown fine SAND, trace Silt, fine Gravel, and Organic Material.
RAA11-J22	531824.0896	130559.9828	978.60	4/8/2003	VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Dark brown fine SAND, trace Silt, fine Gravel, and Organic Material.
RAA11-J24	531825.0389	130659.0472	982.06	4/8/2003	PCBs	Dark brown fine SAND and SILT, some Organic Material.
RAA11-J25	531825.9615	130697.7858	982.88	4/8/2003	PCBs	Dark brown fine SAND and SILT, some Organic Material.
RAA11-K10	531774.2599	129966.6854	982.24	3/26/2003	PCBs	Gray-black fine SAND, little fine to coarse Gravel, Concrete, and Brick. [FILL]
RAA11-K12	531774.1514	130061.3878	994.95	4/14/2003	PCBs	Dark brown fine SAND and SILT, trace Organic Material.
RAA11-K14	531774.1185	130160.2585	983.63	4/14/2003	PCBs	Brown fine SAND, some Silt, little fine Gravel, Organic Material, and Coal. [FILL]
RAA11-K16	531774.067	130260.2374	984.81	4/14/2003	PCBs	Brown fine SAND, some Silt, fine Gravel, and Organic Material.
RAA11-K18	531773.9854	130360.2711	984.63	4/14/2003	PCBs	Brown fine SAND, some Silt, little fine Gravel and Organic Material.
RAA11-K20	531774.0983	130460.2698	982.98	4/8/2003	PCBs	Brown fine to medium SAND, trace fine Gravel and Organic Material.
RAA11-K24	531773.4732	130648.154	983.97	4/8/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs, Pest./Herb.	Dark brown fine SAND and SILT, some Organic Material.
RAA11-L10	531724.0548	129960.248	984.50	3/26/2003	PCBs	Gray-brown fine SAND, trace Silt, some fine to coarse Gravel, moist.
RAA11-L11	531724.4263	130010.3835	987.32	4/16/2003	PCBs (Duplicate ID: RAA11-DUP-14)	Brown fine SAND, some Silt and Organic Material.
RAA11-L12	531723.9258	130060.2671	986.65	4/16/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Dark brown fine to medium SAND, little Silt and fine Gravel, moist.
RAA11-L13	531724.0093	130110.401	983.72	4/14/2003	PCBs	Gray-brown fine to coarse SAND, trace Silt.
RAA11-L14	531724.0415	130160.3129	984.11	4/14/2003	PCBs	Brown fine to medium SAND, trace Silt, fine Gravel, and Organic Material.
RAA11-L15	531724.0785	130210.3918	984.79	4/14/2003	PCBs	Brown fine SAND, some Silt, trace fine Gravel and Organic Material.
RAA11-L16	531724.1085	130260.3154	984.86	4/14/2003	PCBs	Brown fine SAND, some Silt, trace fine Gravel, Organic Material, and Coal. [FILL]
RAA11-L17	531724.0064	130310.3704	985.21	4/14/2003	PCBs	Brown fine SAND, some Silt, trace fine Gravel and Organic Material.
RAA11-L19	531723.9626	130410.3571	984.19	4/14/2003	PCBs	Brown fine SAND, some Silt, little fine Gravel and Organic Material.
RAA11-L22	531722.137	130559.6337	979.25	4/8/2003	PCBs	Light brown fine to medium SAND, trace fine Gravel and Organic Material.
RAA11-L23	531725.7089	130603.5084	980.27	4/8/2003	PCBs	Brown fine SAND, trace Silt and Organic Material.
RAA11-M12	531674.0652	130060.29	983.92	4/14/2003	PCBs	Brown fine to medium SAND, little Silt, fine Gravel, Organic Material.
RAA11-M14	531673.783	130164.6175	984.00	4/14/2003	PCBs	Brown fine to medium SAND, some Silt, fine Gravel, and Organic Material.

**TABLE A-1  
SUMMARY OF PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA11-M15	531674.394	130210.6283	984.95	4/14/2003	VOCs, SVOCs, Inorganics, PCDDs/PCDFs, Pest./Herb.	Dark brown fine SAND, some Silt, fine Gravel, and Organic Material.
RAA11-M16	531674.084	130260.2978	984.96	4/14/2003	PCBs	Brown fine SAND, some Silt, trace fine Gravel and Organic Material.
RAA11-M18	531674.0481	130360.2874	984.69	4/14/2003	PCBs	Brown fine SAND, some Silt, little fine Gravel and Organic Material.
RAA11-M22	531676.0612	130556.458	980.25	4/8/2003	PCBs	NA
RAA11-N9	531624.0623	129927.7353	986.48	3/25/2003	PCBs	Brown fine to medium SAND, some fine to medium Gravel.
RAA11-N10	531624.0403	129960.338	984.81	3/25/2003	PCBs	Brown fine SAND, some fine to medium Gravel, trace coarse Sand, moist.
RAA11-N11	531623.9928	130010.3956	984.55	4/16/2003	PCBs	Brown fine SAND, little fine to medium Gravel, trace Organic Material.
RAA11-N12	531624.0116	130060.2951	984.41	4/16/2003	PCBs	Brown fine to coarse SAND, some fine to medium Gravel, trace Organic Material and Concrete. [FILL]
RAA11-N13	531623.9826	130110.3941	983.77	4/21/2003	PCBs (Duplicate ID: RAA11-DUP-17)	Brown to black fine SAND and SILT, trace Gravel.
RAA11-N14	531624.0158	130160.3631	984.38	4/21/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Gray-brown fine to medium SAND, some Silt and Gravel.
RAA11-N15	531624.0449	130210.3396	984.58	4/21/2003	PCBs	Brown fine SAND and SILT, trace Gravel.
RAA11-N16	531624.0337	130260.2647	985.30	4/21/2003	PCBs (MS/MSD taken)	Brown Silty fine SAND, trace Gravel.
RAA11-N17	531624.0432	130310.3767	984.94	4/21/2003	PCBs	Brown fine SAND and SILT, some Gravel, trace Organic Material.
RAA11-N18	531624.0918	130360.2691	983.92	4/21/2003	PCBs	Brown fine to medium SAND and SILT, trace Gravel.
RAA11-N19	531623.8359	130410.3177	980.99	4/21/2003	PCBs	Gray-brown fine to medium SAND, some Silt, trace Gravel.
RAA11-O8	531574.0023	129887.4277	985.38	4/21/2003	PCBs	Gray-brown fine SAND and SILT, trace Gravel and Organic Material.
RAA11-O10	531574.1045	129960.3123	985.28	4/21/2003	PCBs	Brown fine to medium SAND, some Silt and Gravel.
RAA11-O14	531574.0279	130160.2727	984.26	4/21/2003	PCBs	Brown fine SAND and SILT, trace Gravel.
RAA11-O16	531574.0505	130260.2706	983.54	4/21/2003	PCBs	Brown-gray fine SAND, SILT, and GRAVEL.
RAA11-O18	531573.9262	130360.2998	983.18	4/21/2003	PCBs	Gray-brown fine SAND and SILT, trace Gravel.
RAA11-P8	531524.0515	129860.3029	986.12	5/6/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Brown fine SAND, some Silt, trace fine Gravel and Organic Material.
RAA11-P9	531523.9559	129921.7392	986.41	4/4/2003	PCBs	Brown fine SAND, some Silt, trace Organic Material, moist.
RAA11-P10	531528.1307	129964.2321	985.02	4/4/2003	PCBs	Brown fine SAND, some Silt, trace fine Gravel and Organic Material, moist.
RAA11-P11	531524.1204	130010.3966	984.44	4/4/2003	PCBs	Gray-brown fine to coarse SAND, little Silt, trace fine Gravel, moist.



**TABLE A-1  
SUMMARY OF PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA11-P12	531524.1176	130060.3219	984.52	4/24/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Brown fine to medium SAND, some Gravel, trace Organic Material.
RAA11-P13	531524.0755	130110.3459	984.29	4/24/2003	PCBs	Brown fine to medium SAND, some Gravel, trace Organic Material.
RAA11-P14	531524.028	130160.2935	983.95	4/21/2003	PCBs	Gray-brown fine to medium SAND and SILT, trace Gravel.
RAA11-P16	531524.0226	130260.3577	983.30	4/21/2003	PCBs	Brown Silty fine SAND, crushed Brick, moist.
RAA11-P17	531524.0413	130310.363	982.64	4/21/2003	PCBs	Brown Silty fine SAND, trace Gravel.
RAA11-P18	531523.8188	130359.8839	980.03	4/21/2003	PCBs	Gray-brown fine to medium SAND, some Silt.
RAA11-Q8	531473.9767	129860.3457	986.34	5/6/2003	PCBs	Orange-brown fine SAND, some Silt and fine to medium Gravel.
RAA11-Q12	531474.1026	130060.2761	984.94	4/24/2003	PCBs	Brown fine to medium SAND, some Gravel.
RAA11-Q14	531473.952	130160.3273	984.17	4/24/2003	PCBs	Brown fine to medium SAND, some Gravel
RAA11-Q16	531474.0428	130260.306	982.90	4/24/2003	PCBs	Brown Silty fine SAND, some Gravel.
RAA11-Q18	531474.173	130347.6553	979.55	4/24/2003	PCBs	Brown to black Silty fine SAND.
RAA11-R2	531403.848	129568.9316	989.34	5/5/2003	PCBs	Brown SILT and light brown fine SAND, some Gravel, little Organic Material.
RAA11-R4	531403.8487	129660.4018	989.68	5/6/2003	PCBs	Brown fine to medium SAND, some Silt and fine to coarse Gravel.
RAA11-R5	531413.4088	129710.4353	989.66	5/6/2003	PCBs	Brown fine to medium SAND, some Silt and fine to coarse Gravel.
RAA11-R6	531424.0564	129760.3464	988.90	5/7/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Brown fine to medium SAND, some Silt and fine to coarse Gravel.
RAA11-R7	531424.0053	129810.4572	988.53	5/7/2003	PCBs	Orange-brown fine to medium SAND, little Silt and fine to medium Gravel.
RAA11-R9	531424.0135	129910.3224	986.85	5/7/2003	PCBs	Orange-brown fine to medium SAND, little Silt and fine to medium Gravel.
RAA11-R10	531424.057	129960.2288	986.51	5/7/2003	PCBs	Orange-brown fine to medium SAND, little Silt and fine to medium Gravel.
RAA11-R11	531424.0292	130010.42	987.01	5/7/2003	PCBs	Brown fine to medium SAND, little Silt, fine Gravel, and Organic Material.
RAA11-R12	531424.0181	130060.3658	985.03	4/24/2003	PCBs	Dark brown fine to medium SAND, trace Silt and fine to medium Gravel.
RAA11-R13	531424.0405	130110.4262	984.64	4/24/2003	PCBs	Brown fine to medium SAND and SILT, some fine to medium Gravel and Organic Material.
RAA11-R14	531424.0039	130160.3432	984.08	4/24/2003	PCBs (Duplicate ID: RAA11-DUP-20)	Brown fine to medium SAND and SILT, some fine Gravel.
RAA11-R15	531424.55	130210.3901	983.31	4/24/2003	PCBs	Brown to black fine to coarse SAND, some Silt.
RAA11-R16	531425.4265	130260.5264	982.16	4/24/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Brown fine SAND and SILT, some Gravel.
RAA11-R17	531426.2935	130310.5747	981.61	4/24/2003	PCBs	Brown Silty fine SAND, some Gravel.

**TABLE A-1  
SUMMARY OF PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA11-R18	531427.5098	130361.2592	980.05	4/24/2003	PCBs	Brown Silty fine SAND, trace Organic Material.
RAA11-S2	531373.9337	129560.2952	990.89	5/5/2003	PCBs	Brown SILT, some fine Sand, some Organic Material.
RAA11-S4	531378.7661	129660.2781	990.62	5/6/2003	PCBs	Orange-brown fine to medium SAND, some Silt and fine to medium Gravel.
RAA11-S6	531393.4585	129755.9251	989.76	5/6/2003	PCBs	Orange-brown fine to medium SAND, some Silt and fine to medium Gravel.
RAA11-S8	531374.101	129860.4024	989.37	5/6/2003	PCBs	Brown fine to medium SAND, some Silt and fine to coarse Gravel.
RAA11-S10	531373.8794	129993.5224	987.12	5/6/2003	PCBs	Brown fine to medium SAND, little Silt, fine to medium Gravel, and Organic Material.
RAA11-S12	531373.9832	130060.3331	985.54	5/5/2003	PCBs	Brown fine SAND, some Silt and Gravel.
RAA11-S14	531382.9623	130160.0094	984.93	4/24/2003	PCBs	Brown fine to medium SAND, some fine to medium Gravel, trace Organic Material.
RAA11-S16	531375.0605	130260.8272	982.20	4/24/2003	PCBs	Brown fine to medium SAND, some fine to medium Gravel, trace Organic Material.
RAA11-T2	531324.0157	129560.3225	990.92	5/6/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Brown fine SAND, trace medium Sand and fine Gravel.
RAA11-T3	531324.0437	129610.4381	990.14	5/5/2003	PCBs	Brown fine SAND, some Gravel.
RAA11-T5	531324.0089	129710.4105	990.50	5/6/2003	PCBs	Brown fine SAND, some Silt, little fine Gravel and Concrete. [FILL]
RAA11-T7	531324.0652	129810.3395	990.02	5/6/2003	PCBs	Brown fine to medium SAND, little Silt and fine to medium Gravel.
RAA11-T8	531324.0108	129860.3294	989.47	5/6/2003	PCBs	Brown fine to medium SAND, some Silt and fine to medium Gravel.
RAA11-T9	531324.0366	129905.3658	988.63	5/6/2003	PCBs	Brown fine to medium SAND, some fine to coarse Gravel.
RAA11-T10	531323.8051	129960.2774	987.92	5/6/2003	PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs	Brown fine SAND, some Silt, fine Gravel, and Organic Material.
RAA11-T11	531323.9943	130010.3726	987.07	5/5/2003	PCBs	Brown fine SAND and GRAVEL, some Silt, coarse Sand, and Asphalt. [FILL]
RAA11-U4	531281.3618	129660.3616	990.80	5/6/2003	PCBs	Brown fine SAND, some Silt, trace fine Gravel.
RAA11-U6	531274.0591	129760.2964	990.26	5/6/2003	PCBs	Brown fine SAND, some Silt, little fine Gravel.
RAA11-U8	531274.1366	129860.32	989.79	5/6/2003	PCBs	Orange-brown fine to medium SAND, little Silt and fine to medium Gravel.
RAA11-U10	531273.9987	129960.3028	988.57	5/6/2003	PCBs	Orange-brown fine to medium SAND, little Silt and fine to medium Gravel.
RAA11-U12	531275.6041	130060.2691	986.79	5/5/2003	PCBs	Dark brown SILT and gray-brown ASH and CINDER, some fine Sand and Gravel. [FILL]
RAA11-V5	531224.0794	129727.3058	991.92	5/6/2003	PCBs	Orange-brown fine SAND, little Silt and fine to medium Gravel.
RAA11-V6	531224.0757	129760.3012	991.34	5/6/2003	PCBs	Orange-brown fine SAND, little Silt and fine to medium Gravel.
RAA11-V7	531224.032	129810.4129	991.37	5/6/2003	PCBs	Orange-brown fine SAND, little Silt and fine to medium Gravel.
RAA11-V8	531224.2084	129861.8628	991.12	5/6/2003	PCBs	Orange-brown fine SAND, little Silt and fine to medium Gravel.

**TABLE A-1  
SUMMARY OF PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA11-V10	531223.9854	129974.0606	989.55	5/5/2003	PCBs	Brown fine SAND, some Silt and Gravel.
RAA11-V11	531224.0494	130010.425	989.30	5/5/2003	PCBs	Brown SILT and fine SAND, some Gravel.
RAA11-V12	531225.2004	130052.4414	988.30	5/5/2003	PCBs	Gray-brown SILT, some dark brown to black Cinders, some fine Sand and Gravel. [FILL]
RAA11-W6	531173.9728	129760.3691	992.71	5/6/2003	PCBs	Orange-brown fine SAND, some Silt and fine to medium Gravel.
RAA11-W8	531173.9858	129860.3006	992.12	5/6/2003	PCBs	Orange-brown fine SAND, some Silt and fine to medium Gravel.
RAA11-W10	531176.3038	129965.8523	990.79	5/5/2003	PCBs	Brown fine SAND, some Gravel.
RAA11-W12	531174.0456	130044.7511	990.46	5/5/2003	PCBs	Gray-brown SILT and fine SAND, some Cinders, Ash, and Gravel. [FILL]
RAA11-X5	531143.9766	129712.3298	992.94	5/6/2003	PCBs	Dark brown fine SAND and SILT, trace Organic Material and fine Gravel.
RAA11-X6	531137.4977	129760.1165	993.64	5/6/2003	PCBs	Orange-brown fine SAND, some Silt and fine to medium Gravel.
RAA11-X7	531130.3486	129810.3245	992.68	5/6/2003	PCBs	Dark brown fine SAND and SILT, some fine to medium Gravel.
RAA11-X8	531124.0259	129860.3316	992.43	5/6/2003	PCBs	Brown fine SAND and SILT, some fine to medium Gravel.
RAA11-X10	531137.1035	129959.0463	991.46	5/5/2003	PCBs	Brown fine SAND, some Silt and Gravel.
RAA11-X11	531146.0189	130001.1326	NA	5/5/2003	PCBs (MS/MSD taken)	Brown fine SAND, some Silt, little Gravel.

**NOTES:**

1. The listed samples were collected from a depth of 0- to 1-foot below ground surface.
2. Analyses:  
 PCB = Polychlorinated Biphenyls  
 VOC = Volatile Organic Compounds  
 SVOC = Semivolatile Organic Compounds  
 PCDD/PCDF = Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans  
 Pest./Herb. = Pesticides and Herbicides
3. NA = Not Available.

## *Appendix B*

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# Soil Analytical Results

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-C17 0-1 03/31/03	RAA11-C19 0-1 03/31/03	RAA11-C21 0-1 04/01/03	RAA11-C21 10-15 04/01/03	RAA11-C21 14-15 04/01/03	RAA11-C23 0-1 04/02/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,1,1-Trichloroethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,1,2,2-Tetrachloroethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,1,2-Trichloroethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,1-Dichloroethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,1-Dichloroethene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,2,3-Trichloropropane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,2-Dibromo-3-chloropropane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,2-Dibromoethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,2-Dichloroethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,2-Dichloropropane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
1,4-Dioxane	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA	ND(0.14) J	ND(0.12) J
2-Butanone	ND(0.011) J	ND(0.011)	0.054	NA	ND(0.014)	ND(0.012)
2-Chloro-1,3-butadiene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
2-Chloroethylvinylether	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061) J
2-Hexanone	ND(0.011) J	ND(0.011)	ND(0.011)	NA	ND(0.014)	ND(0.012)
3-Chloropropene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
4-Methyl-2-pentanone	ND(0.011) J	ND(0.011)	ND(0.011) J	NA	ND(0.014) J	ND(0.012) J
Acetone	ND(0.021) J	ND(0.022)	0.23	NA	ND(0.028)	ND(0.024)
Acetonitrile	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA	ND(0.14) J	ND(0.12) J
Acrolein	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA	ND(0.14) J	ND(0.12) J
Acrylonitrile	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Benzene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Bromodichloromethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Bromofom	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Bromomethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Carbon Disulfide	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Carbon Tetrachloride	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Chlorobenzene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Chloroethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Chloroform	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Chloromethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
cis-1,3-Dichloropropene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Dibromochloromethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Dibromomethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Dichlorodifluoromethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Ethyl Methacrylate	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Ethylbenzene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Iodomethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Isobutanol	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA	ND(0.14) J	ND(0.12) J
Methacrylonitrile	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Methyl Methacrylate	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Methylene Chloride	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Propionitrile	ND(0.011) J	ND(0.011) J	ND(0.011) J	NA	ND(0.014) J	ND(0.012) J
Styrene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Tetrachloroethene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Toluene	ND(0.0054) J	0.0034 J	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
trans-1,2-Dichloroethene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
trans-1,3-Dichloropropene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
trans-1,4-Dichloro-2-butene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Trichloroethene	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Trichlorofluoromethane	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Vinyl Acetate	ND(0.0054) J	ND(0.0056)	ND(0.0057) J	NA	ND(0.0070) J	ND(0.0061) J
Vinyl Chloride	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
Xylenes (total)	ND(0.0054) J	ND(0.0056)	ND(0.0057)	NA	ND(0.0070)	ND(0.0061)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.36) J	ND(0.37) J	ND(0.38)	ND(0.49)	NA	ND(0.41)
1,2,4-Trichlorobenzene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
1,2-Dichlorobenzene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
1,2-Diphenylhydrazine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
1,3,5-Trinitrobenzene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
1,3-Dichlorobenzene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
1,3-Dinitrobenzene	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
1,4-Dichlorobenzene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
1,4-Naphthoquinone	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-C17 0-1 03/31/03	RAA11-C19 0-1 03/31/03	RAA11-C21 0-1 04/01/03	RAA11-C21 10-15 04/01/03	RAA11-C21 14-15 04/01/03	RAA11-C23 0-1 04/02/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
2,3,4,6-Tetrachlorophenol	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41) J
2,4,5-Trichlorophenol	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2,4,6-Trichlorophenol	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2,4-Dichlorophenol	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2,4-Dimethylphenol	0.29 J	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2,4-Dinitrophenol	ND(1.8) J	ND(1.9) J	ND(1.9) J	ND(2.5) J	NA	ND(2.1) J
2,4-Dinitrotoluene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2,6-Dichlorophenol	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2,6-Dinitrotoluene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2-Acetylaminofluorene	ND(0.72)	0.40 J	ND(0.76)	ND(0.99)	NA	ND(0.82)
2-Chloronaphthalene	0.24 J	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2-Chlorophenol	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2-Methylnaphthalene	11	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2-Methylphenol	0.11 J	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
2-Naphthylamine	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
2-Nitroaniline	ND(1.8) J	ND(1.9) J	ND(1.9) J	ND(2.5) J	NA	ND(2.1)
2-Nitrophenol	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
2-Picoline	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
3&4-Methylphenol	0.42 J	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
3,3'-Dichlorobenzidine	ND(0.72)	ND(0.75)	ND(0.76) J	ND(0.99) J	NA	ND(0.82)
3,3'-Dimethylbenzidine	ND(0.36) J	0.31 J	ND(0.38)	ND(0.49)	NA	ND(0.41)
3-Methylcholanthrene	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
3-Nitroaniline	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.5)	NA	ND(2.1)
4,6-Dinitro-2-methylphenol	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
4-Aminobiphenyl	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
4-Bromophenyl-phenylether	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
4-Chloro-3-Methylphenol	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
4-Chloroaniline	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
4-Chlorobenzilate	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
4-Chlorophenyl-phenylether	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
4-Nitroaniline	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.5)	NA	ND(2.1)
4-Nitrophenol	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.5)	NA	ND(2.1)
4-Nitroquinoline-1-oxide	ND(0.72) J	ND(0.75) J	ND(0.76)	ND(0.99)	NA	ND(0.82)
4-Phenylenediamine	ND(0.72)	ND(0.75)	ND(0.76) J	ND(0.99) J	NA	ND(0.82)
5-Nitro-o-toluidine	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
7,12-Dimethylbenz(a)anthracene	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
a,a'-Dimethylphenethylamine	ND(0.72) J	ND(0.75) J	ND(0.76) J	ND(0.99) J	NA	ND(0.82)
Acenaphthene	14	0.31 J	0.091 J	ND(0.49)	NA	0.61
Acenaphthylene	11	0.17 J	0.34 J	ND(0.49)	NA	ND(0.41)
Acetophenone	0.15 J	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Aniline	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Anthracene	47	0.69	0.43	ND(0.49)	NA	1.2
Aramite	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
Benzidine	ND(0.72) J	ND(0.75) J	ND(0.76) J	ND(0.99) J	NA	ND(0.82)
Benzo(a)anthracene	140	1.1	1.1	ND(0.49)	NA	2.5
Benzo(a)pyrene	100	0.82	1.2	0.11 J	NA	1.9
Benzo(b)fluoranthene	100	0.71	0.92	ND(0.49)	NA	1.4
Benzo(g,h,i)perylene	49	0.40	0.62	ND(0.49)	NA	0.80
Benzo(k)fluoranthene	77	0.72	0.82	ND(0.49)	NA	1.8
Benzyl Alcohol	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
bis(2-Chloroethoxy)methane	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
bis(2-Chloroethyl)ether	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
bis(2-Chloroisopropyl)ether	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
bis(2-Ethylhexyl)phthalate	ND(0.35)	0.23 J	0.20 J	ND(0.49)	NA	ND(0.40)
Butylbenzylphthalate	ND(0.36)	0.24 J	0.23 J	ND(0.49)	NA	ND(0.41)
Chrysene	110	0.96	0.97	ND(0.49)	NA	2.4
Diallate	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
Dibenzo(a,h)anthracene	18	0.22 J	0.22 J	ND(0.49)	NA	0.34 J
Dibenzofuran	15	0.26 J	0.076 J	ND(0.49)	NA	0.46
Diethylphthalate	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Dimethylphthalate	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Di-n-Butylphthalate	ND(0.36)	ND(0.37)	0.27 J	ND(0.49)	NA	ND(0.41)
Di-n-Octylphthalate	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Diphenylamine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41) J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-C17 0-1 03/31/03	RAA11-C19 0-1 03/31/03	RAA11-C21 0-1 04/01/03	RAA11-C21 10-15 04/01/03	RAA11-C21 14-15 04/01/03	RAA11-C23 0-1 04/02/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Fluoranthene	290	2.6	2.1	ND(0.49)	NA	4.8
Fluorene	35	0.46	0.14 J	ND(0.49)	NA	0.65
Hexachlorobenzene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Hexachlorobutadiene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Hexachlorocyclopentadiene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Hexachloroethane	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Hexachlorophene	ND(0.72) J	ND(0.75) J	ND(0.76)	ND(0.99)	NA	ND(0.82)
Hexachloropropene	ND(0.36) J	ND(0.37) J	ND(0.38) J	ND(0.49) J	NA	ND(0.41) J
Indeno(1,2,3-cd)pyrene	48	0.40	0.59	ND(0.49)	NA	0.71
Isodrin	ND(0.36) J	ND(0.37) J	ND(0.38)	ND(0.49)	NA	ND(0.41)
Isophorone	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Isosaffrole	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
Methapyrilene	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
Methyl Methanesulfonate	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Naphthalene	13	0.23 J	0.097 J	ND(0.49)	NA	0.73
Nitrobenzene	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
N-Nitrosodiethylamine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
N-Nitrosodimethylamine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
N-Nitroso-di-n-butylamine	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
N-Nitroso-di-n-propylamine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
N-Nitrosodiphenylamine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
N-Nitrosomethylethylamine	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
N-Nitrosomorpholine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
N-Nitrosopiperidine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
N-Nitrosopyrrolidine	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
o,o,o-Triethylphosphorothioate	ND(0.36) J	ND(0.37) J	ND(0.38)	ND(0.49)	NA	ND(0.41)
o-Toluidine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
p-Dimethylaminoazobenzene	ND(0.72)	ND(0.75)	ND(0.76) J	ND(0.99) J	NA	ND(0.82) J
Pentachlorobenzene	ND(0.36) J	ND(0.37) J	ND(0.38)	ND(0.49)	NA	ND(0.41)
Pentachloroethane	ND(0.36) J	ND(0.37) J	ND(0.38)	ND(0.49)	NA	ND(0.41)
Pentachloronitrobenzene	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82) J
Pentachlorophenol	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.5)	NA	ND(2.1)
Phenacetin	ND(0.72)	ND(0.75)	ND(0.76)	ND(0.99)	NA	ND(0.82)
Phenanthrene	240	2.6	1.2	ND(0.49)	NA	4.9
Phenol	0.29 J	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Pronamide	ND(0.36) J	ND(0.37) J	ND(0.38) J	ND(0.49) J	NA	ND(0.41)
Pyrene	340	1.9	1.8	ND(0.49)	NA	6.4
Pyridine	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Safrole	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.49)	NA	ND(0.41)
Thionazin	ND(0.36) J	ND(0.37) J	ND(0.38) J	ND(0.49) J	NA	ND(0.41)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-C17 0-1 03/31/03	RAA11-C19 0-1 03/31/03	RAA11-C21 0-1 04/01/03	RAA11-C21 10-15 04/01/03	RAA11-C21 14-15 04/01/03	RAA11-C23 0-1 04/02/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	ND(0.000045)	ND(0.000050)	ND(0.000025) X	ND(0.000016)	NA	0.000016 Y
TCDFs (total)	ND(0.000045)	ND(0.000050) Q	0.000011	ND(0.000015)	NA	0.00014
1,2,3,7,8-PeCDF	ND(0.000054)	0.000016 J	ND(0.000015) X	ND(0.000038)	NA	0.000016 J
2,3,4,7,8-PeCDF	ND(0.000054)	0.0000096 J	0.0000050 J	ND(0.000038)	NA	0.000032
PeCDFs (total)	ND(0.000054)	0.00010 Q	0.000061 QJ	ND(0.000038)	NA	0.00034 QJ
1,2,3,4,7,8-HxCDF	ND(0.000055)	0.000016 J	ND(0.000042) X	ND(0.000038)	NA	0.000056
1,2,3,6,7,8-HxCDF	ND(0.000054)	0.0000057 J	0.0000032 J	ND(0.000038)	NA	0.000020 J
1,2,3,7,8,9-HxCDF	ND(0.000061)	0.0000019 J	ND(0.000026)	ND(0.000038)	NA	0.000010 J
2,3,4,6,7,8-HxCDF	ND(0.000054)	0.000016 J	0.0000074 J	ND(0.000038)	NA	0.000031
HxCDFs (total)	ND(0.000054)	0.00025	0.00010	ND(0.000038)	NA	0.00046
1,2,3,4,6,7,8-HpCDF	ND(0.000054)	0.000019 J	0.000011 J	ND(0.000018) X	NA	0.000066
1,2,3,4,7,8,9-HpCDF	ND(0.000062)	0.0000051 J	0.0000018 J	ND(0.000038)	NA	0.000021 J
HpCDFs (total)	ND(0.000056)	0.000053	0.000032	ND(0.000038)	NA	0.00019
OCDF	ND(0.00017)	0.000019 J	0.000012 J	ND(0.000076)	NA	0.00018
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000046)	ND(0.000019)	ND(0.000013)	ND(0.000017)	NA	ND(0.000016) X
TCDDs (total)	ND(0.000054)	ND(0.000041) Q	ND(0.000013)	ND(0.000049)	NA	ND(0.000031)
1,2,3,7,8-PeCDD	ND(0.000054)	ND(0.000024)	ND(0.000026)	ND(0.000038)	NA	ND(0.000056) X
PeCDDs (total)	ND(0.000062)	0.0000067	0.0000020	ND(0.000055)	NA	ND(0.000027)
1,2,3,4,7,8-HxCDD	ND(0.000091)	ND(0.000027)	ND(0.000022) X	ND(0.000038)	NA	ND(0.000020) X
1,2,3,6,7,8-HxCDD	ND(0.000083)	0.0000038 J	ND(0.000026)	ND(0.000038)	NA	ND(0.000043) X
1,2,3,7,8,9-HxCDD	ND(0.000088)	ND(0.000026)	ND(0.000026)	ND(0.000038)	NA	0.000027 J
HxCDDs (total)	ND(0.000087)	0.0000038	0.0000030	ND(0.000065)	NA	0.000016
1,2,3,4,6,7,8-HpCDD	ND(0.000089)	0.000032	0.000016 J	ND(0.000038)	NA	0.000054
HpCDDs (total)	ND(0.000089)	0.000062	0.000031	ND(0.000038)	NA	0.000097
OCDD	0.00017 J	0.00022	0.00014	0.000011 J	NA	0.00038
Total TEQs (WHO TEFs)	0.000092	0.000012	0.0000067	0.0000053	NA	0.000036
<b>Inorganics</b>						
Antimony	ND(6.00)	ND(6.00)	1.00 B	1.20 B	NA	1.10 J
Arsenic	4.30	4.50	6.80	2.10 J	NA	6.50
Barium	24.0	30.0	41.0	38.0	NA	45.0
Beryllium	0.140 B	0.170 B	0.310 B	0.320 B	NA	0.260 B
Cadmium	0.220 B	0.230 B	0.910	0.560	NA	0.990
Chromium	4.40	5.20	9.80	9.00	NA	8.60
Cobalt	5.30	5.60	9.00	7.60	NA	8.10
Copper	16.0	15.0	24.0	12.0	NA	28.0
Cyanide	0.0960 B	ND(0.110)	ND(0.230)	0.0740 B	NA	0.130
Lead	33.0	38.0	60.0	8.50	NA	53.0
Mercury	ND(0.110) J	ND(0.110) J	0.0580 B	0.0770 B	NA	0.430
Nickel	9.00	10.0	16.0	12.0	NA	17.0
Selenium	ND(1.00) J	0.600 J	ND(1.00) J	ND(1.10) J	NA	ND(1.00)
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.10)	NA	ND(1.00)
Sulfide	14.0	7.20	7.20	550	NA	7.80
Thallium	ND(1.10) J	ND(1.10) J	1.40 J	ND(1.50) J	NA	1.80 J
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(11.0)	NA	ND(10.0)
Vanadium	8.70	9.10	11.0	9.00	NA	28.0
Zinc	29.0	45.0	78.0	50.0	NA	82.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-C25 0-1 04/02/03	RAA11-C25 1-3 04/02/03	RAA11-C25 3-6 04/02/03	RAA11-C25 4-6 04/02/03	RAA11-C25 10-12 04/02/03	RAA11-C25 10-15 04/02/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,1,1-Trichloroethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,1,2,2-Tetrachloroethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,1,2-Trichloroethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,1-Dichloroethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,1-Dichloroethene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,2,3-Trichloropropane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,2-Dibromo-3-chloropropane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,2-Dibromoethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,2-Dichloroethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,2-Dichloropropane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
1,4-Dioxane	ND(0.13) J	ND(0.13) J	NA	ND(0.14) J	ND(0.13) J	NA
2-Butanone	ND(0.013)	ND(0.013)	NA	ND(0.014)	0.039	NA
2-Chloro-1,3-butadiene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
2-Chloroethylvinylether	ND(0.0064) J	ND(0.0064) J	NA	ND(0.0068) J	ND(0.0063) J	NA
2-Hexanone	ND(0.013)	ND(0.013)	NA	ND(0.014)	ND(0.013)	NA
3-Chloropropene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
4-Methyl-2-pentanone	ND(0.013) J	ND(0.013) J	NA	ND(0.014) J	ND(0.013) J	NA
Acetone	ND(0.026)	ND(0.026)	NA	ND(0.027)	0.040	NA
Acetonitrile	ND(0.13) J	ND(0.13) J	NA	ND(0.14) J	ND(0.13) J	NA
Acrolein	ND(0.13) J	ND(0.13) J	NA	ND(0.14) J	ND(0.13) J	NA
Acrylonitrile	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Benzene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Bromodichloromethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Bromoform	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Bromomethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Carbon Disulfide	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Carbon Tetrachloride	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Chlorobenzene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Chloroethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Chloroform	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Chloromethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
cis-1,3-Dichloropropene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Dibromochloromethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Dibromomethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Dichlorodifluoromethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Ethyl Methacrylate	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Ethylbenzene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Iodomethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Isobutanol	ND(0.13) J	ND(0.13) J	NA	ND(0.14) J	ND(0.13) J	NA
Methacrylonitrile	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Methyl Methacrylate	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Methylene Chloride	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Propionitrile	ND(0.013) J	ND(0.013) J	NA	ND(0.014) J	ND(0.013) J	NA
Styrene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Tetrachloroethene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Toluene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
trans-1,2-Dichloroethene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
trans-1,3-Dichloropropene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
trans-1,4-Dichloro-2-butene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Trichloroethene	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Trichlorofluoromethane	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Vinyl Acetate	ND(0.0064) J	ND(0.0064) J	NA	ND(0.0068) J	ND(0.0063) J	NA
Vinyl Chloride	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
Xylenes (total)	ND(0.0064)	ND(0.0064)	NA	ND(0.0068)	ND(0.0063)	NA
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
1,2,4-Trichlorobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
1,2-Dichlorobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
1,2-Diphenylhydrazine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
1,3,5-Trinitrobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
1,3-Dichlorobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
1,3-Dinitrobenzene	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
1,4-Dichlorobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
1,4-Naphthoquinone	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-C25 0-1 04/02/03	RAA11-C25 1-3 04/02/03	RAA11-C25 3-6 04/02/03	RAA11-C25 4-6 04/02/03	RAA11-C25 10-12 04/02/03	RAA11-C25 10-15 04/02/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
2,3,4,6-Tetrachlorophenol	ND(0.43) J	ND(0.43) J	ND(0.48) J	NA	NA	ND(0.69) J
2,4,5-Trichlorophenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2,4,6-Trichlorophenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2,4-Dichlorophenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2,4-Dimethylphenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2,4-Dinitrophenol	ND(2.2) J	ND(2.2) J	ND(2.4) J	NA	NA	ND(3.4) J
2,4-Dinitrotoluene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2,6-Dichlorophenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2,6-Dinitrotoluene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2-Acetylaminofluorene	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
2-Chloronaphthalene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2-Chlorophenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2-Methylnaphthalene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2-Methylphenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
2-Naphthylamine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
2-Nitroaniline	ND(2.2)	ND(2.2)	ND(2.4)	NA	NA	ND(3.4)
2-Nitrophenol	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
2-Picoline	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
3&4-Methylphenol	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
3,3'-Dichlorobenzidine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(1.4)
3,3'-Dimethylbenzidine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
3-Methylcholanthrene	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
3-Nitroaniline	ND(2.2)	ND(2.2)	ND(2.4)	NA	NA	ND(3.4)
4,6-Dinitro-2-methylphenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
4-Aminobiphenyl	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
4-Bromophenyl-phenylether	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
4-Chloro-3-Methylphenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
4-Chloroaniline	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
4-Chlorobenzilate	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
4-Chlorophenyl-phenylether	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
4-Nitroaniline	ND(2.2)	ND(2.2)	ND(2.4)	NA	NA	ND(2.0)
4-Nitrophenol	ND(2.2)	ND(2.2)	ND(2.4)	NA	NA	ND(3.4)
4-Nitroquinoline-1-oxide	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
4-Phenylenediamine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
5-Nitro-o-toluidine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
7,12-Dimethylbenz(a)anthracene	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
a,a'-Dimethylphenethylamine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
Acenaphthene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Acenaphthylene	0.14 J	ND(0.43)	0.19 J	NA	NA	ND(0.69)
Acetophenone	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Aniline	ND(0.43)	0.36 J	ND(0.48)	NA	NA	ND(0.69)
Anthracene	0.086 J	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Aramite	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
Benzidine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(1.4)
Benzo(a)anthracene	0.35 J	0.32 J	0.70	NA	NA	ND(0.69)
Benzo(a)pyrene	0.38 J	0.44	1.1	NA	NA	ND(0.69)
Benzo(b)fluoranthene	0.28 J	0.24 J	0.47 J	NA	NA	ND(0.69)
Benzo(g,h,i)perylene	0.14 J	0.32 J	0.50	NA	NA	ND(0.69)
Benzo(k)fluoranthene	0.32 J	0.31 J	0.64	NA	NA	ND(0.69)
Benzyl Alcohol	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(1.4)
bis(2-Chloroethoxy)methane	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
bis(2-Chloroethyl)ether	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
bis(2-Chloroisopropyl)ether	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
bis(2-Ethylhexyl)phthalate	ND(0.42)	ND(0.42)	ND(0.47)	NA	NA	ND(0.40)
Butylbenzylphthalate	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Chrysene	0.38 J	0.38 J	0.65	NA	NA	ND(0.69)
Diallate	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
Dibenzo(a,h)anthracene	0.088 J	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Dibenzofuran	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Diethylphthalate	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Dimethylphthalate	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Di-n-Butylphthalate	ND(0.43)	0.13 J	ND(0.48)	NA	NA	ND(0.69)
Di-n-Octylphthalate	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Diphenylamine	ND(0.43) J	ND(0.43) J	ND(0.48) J	NA	NA	ND(0.69) J



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-C25 0-1 04/02/03	RAA11-C25 1-3 04/02/03	RAA11-C25 3-6 04/02/03	RAA11-C25 4-6 04/02/03	RAA11-C25 10-12 04/02/03	RAA11-C25 10-15 04/02/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Fluoranthene	0.56	0.25 J	0.42 J	NA	NA	ND(0.69)
Fluorene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Hexachlorobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Hexachlorobutadiene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Hexachlorocyclopentadiene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Hexachloroethane	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Hexachlorophene	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(1.4)
Hexachloropropene	ND(0.43) J	ND(0.43) J	ND(0.48) J	NA	NA	ND(0.69) J
Indeno(1,2,3-cd)pyrene	0.18 J	0.27 J	0.39 J	NA	NA	ND(0.69)
Isodrin	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Isophorone	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Isosaffrole	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
Methapyrilene	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
Methyl Methanesulfonate	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Naphthalene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Nitrobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
N-Nitrosodiethylamine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
N-Nitrosodimethylamine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
N-Nitroso-di-n-butylamine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
N-Nitroso-di-n-propylamine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
N-Nitrosodiphenylamine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
N-Nitrosomethylethylamine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
N-Nitrosomorpholine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
N-Nitrosopiperidine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
N-Nitrosopyrrolidine	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
o,o,o-Triethylphosphorothioate	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
o-Toluidine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
p-Dimethylaminoazobenzene	ND(0.86) J	ND(0.86) J	ND(0.96) J	NA	NA	ND(0.81) J
Pentachlorobenzene	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Pentachloroethane	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Pentachloronitrobenzene	ND(0.86) J	ND(0.86) J	ND(0.96) J	NA	NA	ND(0.81) J
Pentachlorophenol	ND(2.2)	ND(2.2)	ND(2.4)	NA	NA	ND(3.4)
Phenacetin	ND(0.86)	ND(0.86)	ND(0.96)	NA	NA	ND(0.81)
Phenanthrene	0.34 J	0.17 J	0.11 J	NA	NA	ND(0.69)
Phenol	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Pronamide	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Pyrene	0.68	0.46	0.99	NA	NA	ND(0.69)
Pyridine	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Safrole	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
Thionazin	ND(0.43)	ND(0.43)	ND(0.48)	NA	NA	ND(0.69)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-C25 0-1 04/02/03	RAA11-C25 1-3 04/02/03	RAA11-C25 3-6 04/02/03	RAA11-C25 4-6 04/02/03	RAA11-C25 10-12 04/02/03	RAA11-C25 10-15 04/02/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000068 Y	0.00018 Y	0.000020 Y	NA	NA	ND(0.0000012) X
TCDFs (total)	0.00050	0.0015	0.000090	NA	NA	ND(0.000012)
1,2,3,7,8-PeCDF	0.000030 J	0.00017	0.0000085 J	NA	NA	ND(0.0000030)
2,3,4,7,8-PeCDF	0.000051	0.00016	0.0000082 J	NA	NA	ND(0.0000065) X
PeCDFs (total)	0.00063	0.0015 QIJ	0.000054	NA	NA	ND(0.0000030)
1,2,3,4,7,8-HxCDF	0.00015	0.00037	0.000014 J	NA	NA	ND(0.0000030)
1,2,3,6,7,8-HxCDF	0.000054	0.00020	0.0000075 J	NA	NA	ND(0.0000030)
1,2,3,7,8,9-HxCDF	0.000025 J	0.000056	ND(0.0000032) X	NA	NA	ND(0.0000030)
2,3,4,6,7,8-HxCDF	0.000071	0.000092	0.0000046 J	NA	NA	ND(0.0000030)
HxCDFs (total)	0.0011	0.0015	0.000056	NA	NA	ND(0.0000030)
1,2,3,4,6,7,8-HpCDF	0.00038	0.00032	0.000018 J	NA	NA	0.0000094 J
1,2,3,4,7,8,9-HpCDF	0.000062	0.000075	0.0000029 J	NA	NA	ND(0.0000030)
HpCDFs (total)	0.00079	0.00050	0.000024	NA	NA	ND(0.0000030)
OCDF	ND(0.00036) X	ND(0.00027) X	0.000012 J	NA	NA	ND(0.0000060)
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000043) X	ND(0.0000031) X	ND(0.0000017)	NA	NA	ND(0.0000013)
TCDDs (total)	0.000039	0.000023 QJ	ND(0.0000044)	NA	NA	ND(0.0000046)
1,2,3,7,8-PeCDD	ND(0.000026) X	0.0000068 J	ND(0.0000037)	NA	NA	ND(0.0000030)
PeCDDs (total)	0.00015	0.00010	0.0000029	NA	NA	ND(0.0000056)
1,2,3,4,7,8-HxCDD	0.000018 J	0.0000062 J	ND(0.0000037)	NA	NA	ND(0.0000030)
1,2,3,6,7,8-HxCDD	0.000024 J	0.000011 J	ND(0.0000037)	NA	NA	ND(0.0000030)
1,2,3,7,8,9-HxCDD	0.000022 J	0.0000096 J	ND(0.0000037)	NA	NA	ND(0.0000030)
HxCDDs (total)	0.00035	0.000062	ND(0.0000037)	NA	NA	ND(0.0000050)
1,2,3,4,6,7,8-HpCDD	0.00016	0.000068	0.0000073 J	NA	NA	0.0000023 J
HpCDDs (total)	0.00033	0.00014	0.000014	NA	NA	0.0000023
OCDD	0.00094	0.00032	0.000023 J	NA	NA	0.0000085 J
Total TEQs (WHO TEFs)	0.000091	0.00019	0.000013	NA	NA	0.0000035
<b>Inorganics</b>						
Antimony	ND(6.0)	ND(6.0)	ND(6.0)	NA	NA	ND(6.00)
Arsenic	2.90	3.00	4.20	NA	NA	1.10 B
Barium	25.0	23.0	59.0	NA	NA	12.0 B
Beryllium	0.230 B	0.180 B	0.400 B	NA	NA	0.130 B
Cadmium	0.840	0.740	1.30	NA	NA	0.300 B
Chromium	12.0	11.0	77.0	NA	NA	4.60
Cobalt	5.40	5.40 B	8.90	NA	NA	3.90 B
Copper	58.0	71.0	100	NA	NA	5.70
Cyanide	0.230	0.190	0.140	NA	NA	ND(0.120)
Lead	58.0	120	140	NA	NA	2.70 J
Mercury	0.190	0.180	1.10	NA	NA	ND(0.120)
Nickel	8.70	9.50	15.0	NA	NA	5.80
Selenium	ND(1.00)	0.600 B	1.10 B	NA	NA	ND(1.00)
Silver	ND(1.00)	ND(1.00)	0.430 B	NA	NA	ND(1.00)
Sulfide	18.0	26.0	71.0	NA	NA	110
Thallium	4.60 J	1.30 J	1.40 J	NA	NA	ND(1.20) J
Tin	ND(10.0)	26.0	19.0	NA	NA	ND(10.0)
Vanadium	8.10	8.10	11.0	NA	NA	3.50 B
Zinc	84.0	110	140	NA	NA	27.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-D17 0-1 03/31/03	RAA11-D17 10-15 03/31/03	RAA11-D17 12-14 03/31/03	RAA11-D18 3-6 03/31/03	RAA11-D19 0-1 03/25/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
1,1,1-Trichloroethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
1,1,2,2-Tetrachloroethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
1,1,2-Trichloroethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
1,1-Dichloroethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
1,1-Dichloroethene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
1,2,3-Trichloropropane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
1,2-Dibromo-3-chloropropane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
1,2-Dibromoethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
1,2-Dichloroethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
1,2-Dichloropropane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
1,4-Dioxane	ND(0.11) J [ND(0.11) J]	NA	ND(0.14) J	NA	ND(0.12) J
2-Butanone	ND(0.011) [ND(0.011)]	NA	ND(0.014)	NA	0.027
2-Chloro-1,3-butadiene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
2-Chloroethylvinylether	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
2-Hexanone	ND(0.011) [ND(0.011)]	NA	ND(0.014)	NA	ND(0.012) J
3-Chloropropene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
4-Methyl-2-pentanone	ND(0.011) [ND(0.011)]	NA	ND(0.014)	NA	ND(0.012)
Acetone	ND(0.022) [ND(0.022)]	NA	ND(0.029)	NA	0.029
Acetonitrile	ND(0.11) J [ND(0.11) J]	NA	ND(0.14) J	NA	ND(0.12) J
Acrolein	ND(0.11) J [ND(0.11) J]	NA	ND(0.14) J	NA	ND(0.12) J
Acrylonitrile	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Benzene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Bromodichloromethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Bromoform	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Bromomethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Carbon Disulfide	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Carbon Tetrachloride	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Chlorobenzene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Chloroethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Chloroform	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Chloromethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
cis-1,3-Dichloropropene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Dibromochloromethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Dibromomethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Dichlorodifluoromethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Ethyl Methacrylate	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Ethylbenzene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Iodomethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Isobutanol	ND(0.11) J [ND(0.11) J]	NA	ND(0.14) J	NA	ND(0.12) J
Methacrylonitrile	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Methyl Methacrylate	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Methylene Chloride	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Propionitrile	ND(0.011) J [ND(0.011) J]	NA	ND(0.014) J	NA	ND(0.012)
Styrene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Tetrachloroethene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
Toluene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
trans-1,2-Dichloroethene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
trans-1,3-Dichloropropene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
trans-1,4-Dichloro-2-butene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Trichloroethene	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Trichlorofluoromethane	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Vinyl Acetate	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Vinyl Chloride	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059)
Xylenes (total)	ND(0.0055) [ND(0.0055)]	NA	ND(0.0072)	NA	ND(0.0059) J
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
1,2,4-Trichlorobenzene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
1,2-Dichlorobenzene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
1,2-Diphenylhydrazine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
1,3,5-Trinitrobenzene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
1,3-Dichlorobenzene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
1,3-Dinitrobenzene	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
1,4-Dichlorobenzene	ND(0.36) [ND(0.36)]	0.12 J	NA	NA	ND(0.40)
1,4-Naphthoquinone	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-D17 0-1 03/31/03	RAA11-D17 10-15 03/31/03	RAA11-D17 12-14 03/31/03	RAA11-D18 3-6 03/31/03	RAA11-D19 0-1 03/25/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
2,3,4,6-Tetrachlorophenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2,4,5-Trichlorophenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2,4,6-Trichlorophenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2,4-Dichlorophenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2,4-Dimethylphenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2,4-Dinitrophenol	ND(1.8) J [ND(1.9) J]	ND(2.3) J	NA	NA	ND(2.0) J
2,4-Dinitrotoluene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2,6-Dichlorophenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2,6-Dinitrotoluene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2-Acetylaminofluorene	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
2-Chloronaphthalene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2-Chlorophenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2-Methylnaphthalene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2-Methylphenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
2-Naphthylamine	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
2-Nitroaniline	ND(1.8) J [ND(1.9) J]	ND(2.3) J	NA	NA	ND(2.0) J
2-Nitrophenol	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
2-Picoline	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
3&4-Methylphenol	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
3,3'-Dichlorobenzidine	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
3,3'-Dimethylbenzidine	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
3-Methylcholanthrene	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
3-Nitroaniline	ND(1.8) [ND(1.9)]	ND(2.3)	NA	NA	ND(2.0)
4,6-Dinitro-2-methylphenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
4-Aminobiphenyl	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
4-Bromophenyl-phenylether	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
4-Chloro-3-Methylphenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
4-Chloroaniline	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
4-Chlorobenzilate	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
4-Chlorophenyl-phenylether	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
4-Nitroaniline	ND(1.8) [ND(1.9)]	ND(2.3)	NA	NA	ND(2.0)
4-Nitrophenol	ND(1.8) [ND(1.9)]	ND(2.3)	NA	NA	ND(2.0)
4-Nitroquinoline-1-oxide	ND(0.73) J [ND(0.74) J]	ND(0.90) J	NA	NA	ND(0.80) J
4-Phenylenediamine	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
5-Nitro-o-toluidine	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
7,12-Dimethylbenz(a)anthracene	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
a,a'-Dimethylphenethylamine	ND(0.73) J [ND(0.74) J]	ND(0.90) J	NA	NA	ND(0.80) J
Acenaphthene	0.27 J [0.25 J]	ND(0.45)	NA	NA	ND(0.40)
Acenaphthylene	0.60 [0.73]	0.41 J	NA	NA	ND(0.40)
Acetophenone	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Aniline	ND(0.36) [ND(0.36)]	0.099 J	NA	NA	ND(0.40) J
Anthracene	1.2 [1.4]	0.29 J	NA	NA	ND(0.40)
Aramite	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
Benzidine	ND(0.73) J [ND(0.74) J]	ND(0.90) J	NA	NA	ND(0.80) J
Benzo(a)anthracene	3.2 [3.7]	0.56	NA	NA	0.19 J
Benzo(a)pyrene	3.2 [3.6]	0.93	NA	NA	0.23 J
Benzo(b)fluoranthene	2.8 [2.8]	0.64	NA	NA	0.18 J
Benzo(g,h,i)perylene	1.8 [2.0]	0.58	NA	NA	0.16 J
Benzo(k)fluoranthene	2.5 [2.9]	0.64	NA	NA	0.19 J
Benzyl Alcohol	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
bis(2-Chloroethoxy)methane	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
bis(2-Chloroethyl)ether	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
bis(2-Chloroisopropyl)ether	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40) J
bis(2-Ethylhexyl)phthalate	ND(0.36) [0.19 J]	ND(0.44)	NA	NA	ND(0.39)
Butylbenzylphthalate	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Chrysene	2.9 [3.3]	0.76	NA	NA	0.19 J
Diallate	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
Dibenzo(a,h)anthracene	0.88 [0.87]	0.16 J	NA	NA	ND(0.40)
Dibenzofuran	0.15 J [0.18 J]	ND(0.45)	NA	NA	ND(0.40)
Diethylphthalate	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Dimethylphthalate	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Di-n-Butylphthalate	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Di-n-Octylphthalate	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40) J
Diphenylamine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-D17 0-1 03/31/03	RAA11-D17 10-15 03/31/03	RAA11-D17 12-14 03/31/03	RAA11-D18 3-6 03/31/03	RAA11-D19 0-1 03/25/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Fluoranthene	6.5 [7.0]	1.3	NA	NA	0.39 J
Fluorene	0.38 [0.40]	0.10 J	NA	NA	ND(0.40)
Hexachlorobenzene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Hexachlorobutadiene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Hexachlorocyclopentadiene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40) J
Hexachloroethane	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Hexachlorophene	ND(0.73) J [ND(0.74) J]	ND(0.90) J	NA	NA	ND(0.80) J
Hexachloropropene	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
Indeno(1,2,3-cd)pyrene	1.7 [1.7]	0.51	NA	NA	0.14 J
Isodrin	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
Isophorone	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Isosafrole	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
Methapyrilene	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80) J
Methyl Methanesulfonate	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Naphthalene	0.10 J [0.14 J]	ND(0.45)	NA	NA	ND(0.40)
Nitrobenzene	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
N-Nitrosodiethylamine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
N-Nitrosodimethylamine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
N-Nitroso-di-n-butylamine	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
N-Nitroso-di-n-propylamine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
N-Nitrosodiphenylamine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
N-Nitrosomethylethylamine	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
N-Nitrosomorpholine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
N-Nitrosopiperidine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
N-Nitrosopyrrolidine	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
o,o,o-Triethylphosphorothioate	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
o-Toluidine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
p-Dimethylaminoazobenzene	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
Pentachlorobenzene	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
Pentachloroethane	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
Pentachloronitrobenzene	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
Pentachlorophenol	ND(1.8) [ND(1.9)]	ND(2.3)	NA	NA	ND(2.0)
Phenacetin	ND(0.73) [ND(0.74)]	ND(0.90)	NA	NA	ND(0.80)
Phenanthrene	2.8 [3.2]	0.66	NA	NA	0.14 J
Phenol	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Pronamide	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
Pyrene	5.7 [6.5]	1.3	NA	NA	0.25 J
Pyridine	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Safrole	ND(0.36) [ND(0.36)]	ND(0.45)	NA	NA	ND(0.40)
Thionazin	ND(0.36) J [ND(0.36) J]	ND(0.45) J	NA	NA	ND(0.40)
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-D17 0-1 03/31/03	RAA11-D17 10-15 03/31/03	RAA11-D17 12-14 03/31/03	RAA11-D18 3-6 03/31/03	RAA11-D19 0-1 03/25/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	0.000019 J [ND(0.000012) X]	0.000022 Y	NA	NA	ND(0.000024) X
TCDFs (total)	0.000044 Q [0.000039 Q]	0.00027 Q	NA	NA	0.000011
1,2,3,7,8-PeCDF	0.000014 J [0.000016 J]	0.000070 J	NA	NA	ND(0.000030)
2,3,4,7,8-PeCDF	ND(0.000024) [0.000048]	0.000040 J	NA	NA	0.000021 J
PeCDFs (total)	0.00028 Q [0.00030 Q]	0.00045 Q	NA	NA	0.000016
1,2,3,4,7,8-HxCDF	ND(0.000066) X [0.000061 J]	0.000031 J	NA	NA	0.000012 J
1,2,3,6,7,8-HxCDF	ND(0.000064) X [0.000075 J]	0.000016 J	NA	NA	0.000011 J
1,2,3,7,8,9-HxCDF	0.000042 J [0.000039 J]	0.000071 J	NA	NA	ND(0.000028)
2,3,4,6,7,8-HxCDF	0.000025 [0.000023 J]	0.000042	NA	NA	0.000017 J
HxCDFs (total)	0.00028 [0.00027]	0.00070	NA	NA	0.000022
1,2,3,4,6,7,8-HpCDF	0.000018 J [0.000067 J]	0.00014	NA	NA	0.000014 J
1,2,3,4,7,8,9-HpCDF	ND(0.000023) X [0.000018 J]	0.000016 J	NA	NA	ND(0.000028)
HpCDFs (total)	0.000081 J [0.000085 J]	0.00029	NA	NA	0.000029
OCDF	0.000086 [0.000061 J]	0.00010	NA	NA	0.000016 J
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.000012) [ND(0.000014)]	ND(0.000024) X	NA	NA	ND(0.000019)
TCDDs (total)	ND(0.000030) [ND(0.000030)]	0.000068	NA	NA	ND(0.000043)
1,2,3,7,8-PeCDD	0.000018 J [0.000019 J]	0.000028 J	NA	NA	ND(0.000028)
PeCDDs (total)	0.000097 [0.00015]	0.00020	NA	NA	ND(0.000028)
1,2,3,4,7,8-HxCDD	0.000052 J [ND(0.000027)]	ND(0.000028) X	NA	NA	ND(0.000028)
1,2,3,6,7,8-HxCDD	0.000048 J [ND(0.000032) X]	ND(0.000055) X	NA	NA	ND(0.000028)
1,2,3,7,8,9-HxCDD	ND(0.000024) X [ND(0.000026) X]	ND(0.000044)	NA	NA	ND(0.000016) X
HxCDDs (total)	0.00015 J [0.000027 J]	0.00042	NA	NA	0.000025
1,2,3,4,6,7,8-HpCDD	0.000073 [0.000010 J]	0.000052	NA	NA	ND(0.000011)
HpCDDs (total)	0.00012 J [0.00002 J]	0.00011	NA	NA	0.000021
OCDD	0.00054 J [0.000057 J]	0.00034	NA	NA	0.000088
Total TEQs (WHO TEFs)	0.000089 [0.000032]	0.00021	NA	NA	0.000047
<b>Inorganics</b>					
Antimony	ND(6.00) [1.30 B]	ND(6.00)	NA	ND(6.00)	ND(6.00)
Arsenic	7.00 [8.40]	3.70	NA	5.70	4.60
Barium	30.0 [46.0]	29.0	NA	36.0	28.0
Beryllium	0.190 B [0.200 B]	0.300 B	NA	0.200 B	ND(0.500)
Cadmium	0.250 B [0.200 B]	0.430 B	NA	0.260 B	0.280 B
Chromium	9.50 [8.90]	12.0	NA	7.20	6.00
Cobalt	8.60 [9.90]	7.10	NA	7.20	6.10
Copper	36.0 [36.0]	27.0	NA	33.0	17.0
Cyanide	ND(0.110) [ND(0.110)]	0.130 B	NA	ND(0.110)	ND(0.120)
Lead	58.0 [61.0]	52.0	NA	40.0	46.0
Mercury	0.170 J [0.530 J]	0.200 J	NA	0.0820 J	ND(0.120)
Nickel	13.0 [16.0]	12.0	NA	12.0	11.0
Selenium	0.510 J [1.20 J]	1.20 J	NA	0.720 J	ND(1.00)
Silver	ND(1.00) [ND(1.00)]	ND(1.00)	NA	ND(1.00)	ND(1.00)
Sulfide	17.0 [ND(5.50)]	86.0	NA	11.0	120
Thallium	ND(1.10) J [ND(1.10) J]	ND(1.30) J	NA	ND(1.10) J	ND(1.80) J
Tin	ND(10.0) [ND(10.0)]	ND(10.0)	NA	ND(10.0)	3.90 B
Vanadium	8.80 [8.70]	9.30	NA	8.10	5.20
Zinc	58.0 [69.0]	77.0	NA	56.0	50.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-D24 0-1 04/01/03	RAA11-D24 10-15 04/01/03	RAA11-D26 0-1 04/02/03	RAA11-E13 0-1 03/28/03	RAA11-E13 6-8 03/28/03	RAA11-E13 6-10 03/28/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,1,1-Trichloroethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,1,2,2-Tetrachloroethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,1,2-Trichloroethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,1-Dichloroethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,1-Dichloroethene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,2,3-Trichloropropane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,2-Dibromo-3-chloropropane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,2-Dibromoethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,2-Dichloroethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,2-Dichloropropane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
1,4-Dioxane	ND(0.12) J	NA	0.066 J	ND(0.12) J	ND(0.11) J	NA
2-Butanone	ND(0.012)	NA	ND(0.012)	ND(0.012)	ND(0.011)	NA
2-Chloro-1,3-butadiene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
2-Chloroethylvinylether	ND(0.0058)	NA	ND(0.0063) J	ND(0.0059)	ND(0.0055)	NA
2-Hexanone	ND(0.012)	NA	ND(0.012)	ND(0.012)	ND(0.011)	NA
3-Chloropropene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
4-Methyl-2-pentanone	ND(0.012) J	NA	ND(0.012) J	ND(0.012)	ND(0.011)	NA
Acetone	ND(0.023)	NA	ND(0.025)	ND(0.024)	ND(0.022)	NA
Acetonitrile	ND(0.12) J	NA	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA
Acrolein	ND(0.12) J	NA	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA
Acrylonitrile	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Benzene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Bromodichloromethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Bromoform	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Bromomethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Carbon Disulfide	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Carbon Tetrachloride	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Chlorobenzene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Chloroethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Chloroform	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Chloromethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
cis-1,3-Dichloropropene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Dibromochloromethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Dibromomethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Dichlorodifluoromethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Ethyl Methacrylate	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Ethylbenzene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Iodomethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Isobutanol	ND(0.12) J	NA	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA
Methacrylonitrile	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Methyl Methacrylate	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Methylene Chloride	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Propionitrile	ND(0.012) J	NA	ND(0.012) J	ND(0.012) J	ND(0.011) J	NA
Styrene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Tetrachloroethene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Toluene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
trans-1,2-Dichloroethene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
trans-1,3-Dichloropropene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
trans-1,4-Dichloro-2-butene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Trichloroethene	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Trichlorofluoromethane	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Vinyl Acetate	ND(0.0058) J	NA	ND(0.0063) J	ND(0.0059)	ND(0.0055)	NA
Vinyl Chloride	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
Xylenes (total)	ND(0.0058)	NA	ND(0.0063)	ND(0.0059)	ND(0.0055)	NA
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.39)	NA	ND(0.42)	ND(0.40) J	NA	ND(0.62) J
1,2,4-Trichlorobenzene	ND(0.39)	NA	0.38 J	ND(0.40)	NA	ND(0.62)
1,2-Dichlorobenzene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
1,2-Diphenylhydrazine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
1,3,5-Trinitrobenzene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
1,3-Dichlorobenzene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
1,3-Dinitrobenzene	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
1,4-Dichlorobenzene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
1,4-Naphthoquinone	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-D24 0-1 04/01/03	RAA11-D24 10-15 04/01/03	RAA11-D26 0-1 04/02/03	RAA11-E13 0-1 03/28/03	RAA11-E13 6-8 03/28/03	RAA11-E13 6-10 03/28/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
2,3,4,6-Tetrachlorophenol	ND(0.39)	NA	ND(0.42) J	ND(0.40)	NA	ND(0.62)
2,4,5-Trichlorophenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2,4,6-Trichlorophenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2,4-Dichlorophenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2,4-Dimethylphenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2,4-Dinitrophenol	ND(2.0) J	NA	ND(2.1) J	ND(2.0) J	NA	ND(3.1) J
2,4-Dinitrotoluene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2,6-Dichlorophenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2,6-Dinitrotoluene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2-Acetylaminofluorene	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
2-Chloronaphthalene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2-Chlorophenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2-Methylnaphthalene	ND(0.39)	NA	0.53	ND(0.40)	NA	ND(0.62)
2-Methylphenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
2-Naphthylamine	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
2-Nitroaniline	ND(2.0) J	NA	ND(2.1)	ND(2.0)	NA	ND(3.1)
2-Nitrophenol	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
2-Picoline	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
3&4-Methylphenol	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
3,3'-Dichlorobenzidine	ND(0.78) J	NA	ND(0.84) J	ND(0.80)	NA	ND(1.2)
3,3'-Dimethylbenzidine	ND(0.39)	NA	ND(0.42)	ND(0.40) J	NA	ND(0.62) J
3-Methylcholanthrene	ND(0.78)	NA	ND(0.84) J	ND(0.80)	NA	ND(0.77)
3-Nitroaniline	ND(2.0)	NA	ND(2.1)	ND(2.0)	NA	ND(3.1)
4,6-Dinitro-2-methylphenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
4-Aminobiphenyl	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
4-Bromophenyl-phenylether	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
4-Chloro-3-Methylphenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
4-Chloroaniline	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
4-Chlorobenzilate	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
4-Chlorophenyl-phenylether	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
4-Nitroaniline	ND(2.0)	NA	ND(2.1)	ND(2.0)	NA	ND(2.0)
4-Nitrophenol	ND(2.0)	NA	ND(2.1)	ND(2.0)	NA	ND(3.1)
4-Nitroquinoline-1-oxide	ND(0.78)	NA	ND(0.84)	ND(0.80) J	NA	ND(0.77) J
4-Phenylenediamine	ND(0.78) J	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
5-Nitro-o-toluidine	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
7,12-Dimethylbenz(a)anthracene	ND(0.78)	NA	ND(0.84) J	ND(0.80)	NA	ND(0.77)
a,a'-Dimethylphenethylamine	ND(0.78) J	NA	ND(0.84)	ND(0.80) J	NA	ND(0.77) J
Acenaphthene	ND(0.39)	NA	0.96	0.50	NA	ND(0.62)
Acenaphthylene	ND(0.39)	NA	0.13 J	0.16 J	NA	1.1
Acetophenone	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Aniline	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	0.35 J
Anthracene	ND(0.39)	NA	2.4	0.85	NA	0.56 J
Aramite	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
Benzidine	ND(0.78) J	NA	ND(0.84) J	ND(0.80) J	NA	ND(1.2) J
Benzo(a)anthracene	ND(0.39)	NA	7.5 J	2.3	NA	2.0
Benzo(a)pyrene	ND(0.39)	NA	7.3 J	2.0	NA	3.1
Benzo(b)fluoranthene	ND(0.39)	NA	5.9 J	1.7	NA	1.9
Benzo(g,h,i)perylene	ND(0.39)	NA	4.9 J	0.98	NA	2.0
Benzo(k)fluoranthene	ND(0.39)	NA	6.5 J	1.5	NA	1.8
Benzyl Alcohol	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(1.2)
bis(2-Chloroethoxy)methane	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
bis(2-Chloroethyl)ether	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
bis(2-Chloroisopropyl)ether	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
bis(2-Ethylhexyl)phthalate	ND(0.38)	NA	ND(0.41) J	0.15 J	NA	0.27 J
Butylbenzylphthalate	ND(0.39)	NA	ND(0.42) J	ND(0.40)	NA	ND(0.62)
Chrysene	ND(0.39)	NA	8.0 J	2.1	NA	2.0
Diallate	ND(0.78)	NA	ND(0.84)	ND(0.80) J	NA	ND(0.77) J
Dibenzo(a,h)anthracene	ND(0.39)	NA	ND(0.42) J	0.39 J	NA	0.65
Dibenzofuran	ND(0.39)	NA	0.85	0.28 J	NA	ND(0.62)
Diethylphthalate	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Dimethylphthalate	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Di-n-Butylphthalate	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Di-n-Octylphthalate	ND(0.39)	NA	2.1 J	ND(0.40)	NA	ND(0.62)
Diphenylamine	ND(0.39)	NA	ND(0.42) J	ND(0.40)	NA	ND(0.62)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-D24 0-1 04/01/03	RAA11-D24 10-15 04/01/03	RAA11-D26 0-1 04/02/03	RAA11-E13 0-1 03/28/03	RAA11-E13 6-8 03/28/03	RAA11-E13 6-10 03/28/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Fluoranthene	ND(0.39)	NA	8.3	5.9	NA	2.7
Fluorene	ND(0.39)	NA	1.4	0.47	NA	ND(0.62)
Hexachlorobenzene	0.098 J	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Hexachlorobutadiene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Hexachlorocyclopentadiene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Hexachloroethane	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Hexachlorophene	ND(0.78)	NA	ND(0.84)	ND(0.80) J	NA	ND(1.2) J
Hexachloropropene	ND(0.39) J	NA	ND(0.42) J	ND(0.40) J	NA	ND(0.62) J
Indeno(1,2,3-cd)pyrene	ND(0.39)	NA	4.1 J	0.93	NA	1.6
Isodrin	ND(0.39)	NA	ND(0.42)	ND(0.40) J	NA	ND(0.62) J
Isophorone	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Isosafrole	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
Methapyrilene	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
Methyl Methanesulfonate	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Naphthalene	ND(0.39)	NA	1.3	0.44	NA	0.16 J
Nitrobenzene	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
N-Nitrosodiethylamine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
N-Nitrosodimethylamine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
N-Nitroso-di-n-butylamine	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
N-Nitroso-di-n-propylamine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
N-Nitrosodiphenylamine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
N-Nitrosomethylethylamine	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
N-Nitrosomorpholine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
N-Nitrosopiperidine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
N-Nitrosopyrrolidine	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
o,o,o-Triethylphosphorothioate	ND(0.39)	NA	ND(0.42)	ND(0.40) J	NA	ND(0.62) J
o-Toluidine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
p-Dimethylaminoazobenzene	ND(0.78) J	NA	ND(0.84) J	ND(0.80)	NA	ND(0.77)
Pentachlorobenzene	ND(0.39)	NA	ND(0.42)	ND(0.40) J	NA	ND(0.62) J
Pentachloroethane	ND(0.39)	NA	ND(0.42)	ND(0.40) J	NA	ND(0.62) J
Pentachloronitrobenzene	ND(0.78)	NA	ND(0.84) J	ND(0.80)	NA	ND(0.77)
Pentachlorophenol	ND(2.0)	NA	ND(2.1)	ND(2.0)	NA	ND(3.1)
Phenacetin	ND(0.78)	NA	ND(0.84)	ND(0.80)	NA	ND(0.77)
Phenanthrene	ND(0.39)	NA	14	4.7	NA	1.1
Phenol	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Pronamide	ND(0.39) J	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Pyrene	ND(0.39)	NA	16 J	5.1	NA	2.9
Pyridine	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Safrole	ND(0.39)	NA	ND(0.42)	ND(0.40)	NA	ND(0.62)
Thionazin	0.78 J	NA	ND(0.42)	ND(0.40) J	NA	ND(0.62) J
<b>Organochlorine Pesticides</b>						
4,4'-DDD	ND(1.2)	NA	NA	NA	NA	NA
4,4'-DDE	ND(1.2)	NA	NA	NA	NA	NA
4,4'-DDT	ND(1.2)	NA	NA	NA	NA	NA
Aldrin	ND(0.58)	NA	NA	NA	NA	NA
Alpha-BHC	ND(0.58)	NA	NA	NA	NA	NA
Alpha-Chlordane	ND(0.58)	NA	NA	NA	NA	NA
Beta-BHC	ND(0.58)	NA	NA	NA	NA	NA
Delta-BHC	ND(0.58)	NA	NA	NA	NA	NA
Dieldrin	ND(1.2)	NA	NA	NA	NA	NA
Endosulfan I	ND(1.2)	NA	NA	NA	NA	NA
Endosulfan II	ND(1.2)	NA	NA	NA	NA	NA
Endosulfan Sulfate	ND(1.2)	NA	NA	NA	NA	NA
Endrin	ND(1.2)	NA	NA	NA	NA	NA
Endrin Aldehyde	ND(1.2)	NA	NA	NA	NA	NA
Endrin Ketone	ND(1.2)	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	ND(0.58)	NA	NA	NA	NA	NA
Gamma-Chlordane	ND(0.58)	NA	NA	NA	NA	NA
Heptachlor	ND(0.58)	NA	NA	NA	NA	NA
Heptachlor Epoxide	ND(0.58)	NA	NA	NA	NA	NA
Kepone	ND(0.39)	NA	NA	NA	NA	NA
Methoxychlor	ND(5.8)	NA	NA	NA	NA	NA
Technical Chlordane	ND(9.6)	NA	NA	NA	NA	NA
Toxaphene	ND(9.6)	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-D24 0-1 04/01/03	RAA11-D24 10-15 04/01/03	RAA11-D26 0-1 04/02/03	RAA11-E13 0-1 03/28/03	RAA11-E13 6-8 03/28/03	RAA11-E13 6-10 03/28/03
<b>Organophosphate Pesticides</b>						
Dimethoate	ND(2.0)	NA	NA	NA	NA	NA
Disulfoton	ND(0.78)	NA	NA	NA	NA	NA
Ethyl Parathion	ND(0.78)	NA	NA	NA	NA	NA
Famphur	ND(0.39)	NA	NA	NA	NA	NA
Methyl Parathion	ND(0.78)	NA	NA	NA	NA	NA
Phorate	ND(0.78)	NA	NA	NA	NA	NA
Sulfotep	ND(0.78)	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	ND(0.37)	NA	NA	NA	NA	NA
2,4,5-TP	ND(0.37)	NA	NA	NA	NA	NA
2,4-D	ND(0.80)	NA	NA	NA	NA	NA
Dinoseb	ND(0.39)	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000016 Y	NA	0.00027 Y	0.0000068 J	NA	0.000022 Y
TCDFs (total)	0.000060	NA	0.0031 QJ	0.000059	NA	0.00016
1,2,3,7,8-PeCDF	0.000017 J	NA	0.00012 QJ	0.0000032 J	NA	0.000011 J
2,3,4,7,8-PeCDF	0.000054	NA	0.00067 QJ	0.0000087 J	NA	0.000015 J
PeCDFs (total)	0.00022	NA	0.0047 QJ	0.00010	NA	0.00014
1,2,3,4,7,8-HxCDF	0.00015	NA	0.00093	ND(0.0000050) X	NA	0.000016 J
1,2,3,6,7,8-HxCDF	0.000026	NA	0.00041	0.0000040 J	NA	0.0000092 J
1,2,3,7,8,9-HxCDF	0.000035	NA	0.00019	ND(0.0000030)	NA	0.0000054 J
2,3,4,6,7,8-HxCDF	0.000029	NA	0.00070	0.0000064 J	NA	0.0000079 J
HxCDFs (total)	0.00039	NA	0.010	0.000076	NA	0.00011
1,2,3,4,6,7,8-HpCDF	0.000089	NA	0.0012	0.000018 J	NA	0.000038
1,2,3,4,7,8,9-HpCDF	0.000068	NA	0.00030	ND(0.0000037)	NA	ND(0.000015) QJ
HpCDFs (total)	0.00031	NA	0.0029	0.000018	NA	0.000057
OCDF	0.00040	NA	0.00094	0.000029 J	NA	0.000030 J
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000010)	NA	ND(0.0000038) X	ND(0.0000026)	NA	ND(0.0000022)
TCDDs (total)	ND(0.0000030)	NA	0.00016 QJ	ND(0.0000042)	NA	ND(0.0000031)
1,2,3,7,8-PeCDD	ND(0.0000025) X	NA	0.000024 QJ	ND(0.0000026)	NA	ND(0.0000012) X
PeCDDs (total)	ND(0.0000026)	NA	0.00043 QJ	ND(0.0000026)	NA	ND(0.0000025)
1,2,3,4,7,8-HxCDD	0.0000018 J	NA	0.000026 J	ND(0.0000031)	NA	ND(0.0000025)
1,2,3,6,7,8-HxCDD	0.0000030 J	NA	0.000050	ND(0.0000034) X	NA	ND(0.0000039) X
1,2,3,7,8,9-HxCDD	ND(0.0000025) X	NA	0.000032	0.0000021 J	NA	ND(0.0000025)
HxCDDs (total)	0.000013	NA	0.00056	0.0000083	NA	0.000011 Q
1,2,3,4,6,7,8-HpCDD	0.000012 J	NA	0.00022	0.000044	NA	0.000039
HpCDDs (total)	0.000023	NA	0.00046	0.00010	NA	0.000039 QJ
OCDD	ND(0.000069)	NA	0.00096	0.00031	NA	0.00030
Total TEQs (WHO TEFs)	0.000058	NA	0.00065	0.000010	NA	0.000017
<b>Inorganics</b>						
Antimony	ND(6.00)	NA	ND(6.0)	1.00 B	NA	ND(6.00)
Arsenic	5.20	NA	9.00	6.50	NA	5.90
Barium	23.0	NA	62.0	61.0	NA	57.0
Beryllium	0.240 B	NA	0.240 B	0.220 B	NA	0.260 B
Cadmium	0.770	NA	2.10	0.470 B	NA	0.410 B
Chromium	7.50	NA	14.0	7.20	NA	18.0
Cobalt	7.50	NA	7.80	8.90	NA	6.90
Copper	16.0	NA	400	32.0	NA	53.0
Cyanide	0.0280 B	NA	0.290	0.120 B	NA	ND(0.230)
Lead	11.0	NA	160	63.0	NA	150
Mercury	0.120	NA	1.30	0.110 B	NA	0.230
Nickel	13.0	NA	17.0	14.0	NA	12.0
Selenium	ND(1.00) J	NA	0.740 B	1.10 J	NA	1.20 J
Silver	ND(1.00)	NA	6.80	0.450 B	NA	ND(1.00)
Sulfide	30.0	37.0	20.0	9.50	NA	280
Thallium	ND(1.20) J	NA	1.10 J	ND(1.20) J	NA	ND(1.20) J
Tin	ND(10.0)	NA	ND(16.0)	ND(10.0)	NA	10.0
Vanadium	7.00	NA	12.0	7.90	NA	7.50
Zinc	49.0	NA	480	68.0	NA	120

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E15 0-1 03/28/03	RAA11-E15 1-3 03/28/03	RAA11-E17 0-1 03/31/03	RAA11-E18 1-3 04/01/03	RAA11-E18 6-10 04/01/03	RAA11-E18 8-10 04/01/03
<b>Volatiles Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,1,1-Trichloroethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,1,2,2-Tetrachloroethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,1,2-Trichloroethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,1-Dichloroethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,1-Dichloroethene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,2,3-Trichloropropane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,2-Dibromo-3-chloropropane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,2-Dibromoethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,2-Dichloroethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,2-Dichloropropane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
1,4-Dioxane	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J
2-Butanone	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.011)	NA	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
2-Chloroethylvinylether	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
2-Hexanone	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.011)	NA	ND(0.011)
3-Chloropropene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
4-Methyl-2-pentanone	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.011) J	NA	ND(0.011) J
Acetone	ND(0.023)	ND(0.023)	ND(0.023)	ND(0.022)	NA	ND(0.022)
Acetonitrile	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J
Acrolein	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J
Acrylonitrile	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Benzene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Bromodichloromethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Bromoform	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Bromomethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Carbon Disulfide	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Carbon Tetrachloride	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Chlorobenzene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Chloroethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Chloroform	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Chloromethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
cis-1,3-Dichloropropene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Dibromochloromethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Dibromomethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Dichlorodifluoromethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Ethyl Methacrylate	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Ethylbenzene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Iodomethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Isobutanol	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J
Methacrylonitrile	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Methyl Methacrylate	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Methylene Chloride	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Propionitrile	ND(0.012) J	ND(0.012) J	ND(0.012) J	ND(0.011) J	NA	ND(0.011) J
Styrene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Tetrachloroethene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Toluene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
trans-1,2-Dichloroethene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
trans-1,3-Dichloropropene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
trans-1,4-Dichloro-2-butene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Trichloroethene	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Trichlorofluoromethane	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Vinyl Acetate	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056) J	NA	ND(0.0056) J
Vinyl Chloride	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
Xylenes (total)	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0056)	NA	ND(0.0056)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.39) J	ND(0.38) J	ND(0.38) J	ND(0.63)	ND(0.38)	NA
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
1,2-Dichlorobenzene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
1,2-Diphenylhydrazine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
1,3,5-Trinitrobenzene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
1,3-Dichlorobenzene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
1,3-Dinitrobenzene	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
1,4-Dichlorobenzene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
1,4-Naphthoquinone	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E15 0-1 03/28/03	RAA11-E15 1-3 03/28/03	RAA11-E17 0-1 03/31/03	RAA11-E18 1-3 04/01/03	RAA11-E18 6-10 04/01/03	RAA11-E18 8-10 04/01/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
2,3,4,6-Tetrachlorophenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2,4,5-Trichlorophenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2,4,6-Trichlorophenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2,4-Dichlorophenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2,4-Dimethylphenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2,4-Dinitrophenol	ND(2.0) J	ND(2.0) J	ND(2.0) J	ND(3.1) J	ND(1.9) J	NA
2,4-Dinitrotoluene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2,6-Dichlorophenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2,6-Dinitrotoluene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2-Acetylaminofluorene	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
2-Chloronaphthalene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2-Chlorophenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2-Methylnaphthalene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2-Methylphenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
2-Naphthylamine	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
2-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0) J	ND(3.1) J	ND(1.9) J	NA
2-Nitrophenol	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
2-Picoline	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
3&4-Methylphenol	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
3,3'-Dichlorobenzidine	ND(0.78)	ND(0.77)	ND(0.78)	ND(1.2) J	ND(0.77) J	NA
3,3'-Dimethylbenzidine	ND(0.39) J	ND(0.38) J	ND(0.38) J	ND(0.63)	ND(0.38)	NA
3-Methylcholanthrene	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
3-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0)	ND(3.1)	ND(1.9)	NA
4,6-Dinitro-2-methylphenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
4-Aminobiphenyl	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
4-Bromophenyl-phenylether	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
4-Chloro-3-Methylphenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
4-Chloroaniline	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
4-Chlorobenzilate	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
4-Chlorophenyl-phenylether	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
4-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0)	ND(1.9)	ND(1.9)	NA
4-Nitrophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(3.1)	ND(1.9)	NA
4-Nitroquinoline-1-oxide	ND(0.78) J	ND(0.77) J	ND(0.78) J	ND(0.74)	ND(0.77)	NA
4-Phenylenediamine	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74) J	ND(0.77) J	NA
5-Nitro-o-toluidine	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
7,12-Dimethylbenz(a)anthracene	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
a,a'-Dimethylphenethylamine	ND(0.78) J	ND(0.77) J	ND(0.78) J	ND(0.74) J	ND(0.77) J	NA
Acenaphthene	0.16 J	ND(0.38)	ND(0.38)	ND(0.63)	0.24 J	NA
Acenaphthylene	0.90	0.090 J	ND(0.38)	ND(0.63)	0.23 J	NA
Acetophenone	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Aniline	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Anthracene	0.90	0.14 J	ND(0.38)	ND(0.63)	0.66	NA
Aramite	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
Benzdine	ND(0.78) J	ND(0.77) J	ND(0.78) J	ND(1.2) J	ND(0.77) J	NA
Benzo(a)anthracene	3.1	0.37 J	0.12 J	ND(0.63)	1.7	NA
Benzo(a)pyrene	3.0	0.34 J	0.10 J	ND(0.63)	1.4	NA
Benzo(b)fluoranthene	2.4	0.32 J	0.10 J	ND(0.63)	1.4	NA
Benzo(g,h,i)perylene	1.8	0.21 J	ND(0.38)	ND(0.63)	0.80	NA
Benzo(k)fluoranthene	2.4	0.25 J	0.078 J	ND(0.63)	1.2	NA
Benzyl Alcohol	ND(0.78)	ND(0.77)	ND(0.78)	ND(1.2)	ND(0.77)	NA
bis(2-Chloroethoxy)methane	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
bis(2-Chloroethyl)ether	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
bis(2-Chloroisopropyl)ether	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
bis(2-Ethylhexyl)phthalate	0.29 J	ND(0.38)	ND(0.38)	ND(0.37)	0.14 J	NA
Butylbenzylphthalate	0.25 J	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Chrysene	2.7	0.35 J	0.12 J	ND(0.63)	1.4	NA
Diallate	ND(0.78) J	ND(0.77) J	ND(0.78)	ND(0.74)	ND(0.77)	NA
Dibenzo(a,h)anthracene	0.75	0.079 J	ND(0.38)	ND(0.63)	0.31 J	NA
Dibenzofuran	0.13 J	ND(0.38)	ND(0.38)	ND(0.63)	0.20 J	NA
Diethylphthalate	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Dimethylphthalate	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Di-n-Butylphthalate	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	0.27 J	NA
Di-n-Octylphthalate	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Diphenylamine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E15 0-1 03/28/03	RAA11-E15 1-3 03/28/03	RAA11-E17 0-1 03/31/03	RAA11-E18 1-3 04/01/03	RAA11-E18 6-10 04/01/03	RAA11-E18 8-10 04/01/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Fluoranthene	6.9	0.72	0.31 J	0.19 J	3.8	NA
Fluorene	0.20 J	ND(0.38)	ND(0.38)	ND(0.63)	0.27 J	NA
Hexachlorobenzene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Hexachlorobutadiene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Hexachlorocyclopentadiene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Hexachloroethane	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Hexachlorophene	ND(0.78) J	ND(0.77) J	ND(0.78) J	ND(1.2)	ND(0.77)	NA
Hexachloropropene	ND(0.39) J	ND(0.38) J	ND(0.38) J	ND(0.63) J	ND(0.38) J	NA
Indeno(1,2,3-cd)pyrene	1.6	0.19 J	ND(0.38)	ND(0.63)	0.76	NA
Isodrin	ND(0.39) J	ND(0.38) J	ND(0.38) J	ND(0.63)	ND(0.38)	NA
Isophorone	ND(0.39)	ND(0.38)	ND(0.38)	0.85	ND(0.38)	NA
Isosafrole	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
Methapyrilene	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
Methyl Methanesulfonate	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Naphthalene	0.18 J	ND(0.38)	ND(0.38)	ND(0.63)	0.26 J	NA
Nitrobenzene	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
N-Nitrosodiethylamine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
N-Nitrosodimethylamine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
N-Nitroso-di-n-butylamine	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
N-Nitrosodiphenylamine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
N-Nitrosomethylethylamine	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
N-Nitrosomorpholine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
N-Nitrosopiperidine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
N-Nitrosopyrrolidine	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
o,o,o-Triethylphosphorothioate	ND(0.39) J	ND(0.38) J	ND(0.38) J	ND(0.63)	ND(0.38)	NA
o-Toluidine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
p-Dimethylaminoazobenzene	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74) J	ND(0.77) J	NA
Pentachlorobenzene	ND(0.39) J	ND(0.38) J	ND(0.38) J	ND(0.63)	ND(0.38)	NA
Pentachloroethane	ND(0.39) J	ND(0.38) J	ND(0.38) J	ND(0.63)	ND(0.38)	NA
Pentachloronitrobenzene	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
Pentachlorophenol	ND(2.0)	ND(2.0)	ND(2.0) J	ND(3.1)	ND(1.9)	NA
Phenacetin	ND(0.78)	ND(0.77)	ND(0.78)	ND(0.74)	ND(0.77)	NA
Phenanthrene	2.1	0.34 J	0.15 J	ND(0.63)	2.3	NA
Phenol	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Pronamide	ND(0.39)	ND(0.38)	ND(0.38) J	ND(0.63) J	ND(0.38) J	NA
Pyrene	6.2	0.68	0.25 J	0.18 J	3.1	NA
Pyridine	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Safrole	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.63)	ND(0.38)	NA
Thionazin	ND(0.39) J	ND(0.38) J	ND(0.38) J	ND(0.63) J	ND(0.38) J	NA
<b>Organochlorine Pesticides</b>						
4,4'-DDD	ND(0.016)	NA	NA	NA	NA	NA
4,4'-DDE	ND(0.016)	NA	NA	NA	NA	NA
4,4'-DDT	ND(0.016)	NA	NA	NA	NA	NA
Aldrin	ND(0.0080)	NA	NA	NA	NA	NA
Alpha-BHC	ND(0.0080)	NA	NA	NA	NA	NA
Alpha-Chlordane	ND(0.0080)	NA	NA	NA	NA	NA
Beta-BHC	ND(0.0080)	NA	NA	NA	NA	NA
Delta-BHC	ND(0.0080)	NA	NA	NA	NA	NA
Dieldrin	ND(0.016)	NA	NA	NA	NA	NA
Endosulfan I	ND(0.016)	NA	NA	NA	NA	NA
Endosulfan II	ND(0.016)	NA	NA	NA	NA	NA
Endosulfan Sulfate	ND(0.016)	NA	NA	NA	NA	NA
Endrin	ND(0.016)	NA	NA	NA	NA	NA
Endrin Aldehyde	ND(0.016)	NA	NA	NA	NA	NA
Endrin Ketone	ND(0.016)	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	ND(0.0080)	NA	NA	NA	NA	NA
Gamma-Chlordane	ND(0.0080)	NA	NA	NA	NA	NA
Heptachlor	ND(0.0080)	NA	NA	NA	NA	NA
Heptachlor Epoxide	ND(0.0080)	NA	NA	NA	NA	NA
Kepone	ND(0.39)	NA	NA	NA	NA	NA
Methoxychlor	ND(0.080)	NA	NA	NA	NA	NA
Technical Chlordane	ND(0.096)	NA	NA	NA	NA	NA
Toxaphene	ND(0.18)	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E15 0-1 03/28/03	RAA11-E15 1-3 03/28/03	RAA11-E17 0-1 03/31/03	RAA11-E18 1-3 04/01/03	RAA11-E18 6-10 04/01/03	RAA11-E18 8-10 04/01/03
<b>Organophosphate Pesticides</b>						
Dimethoate	ND(2.0)	NA	NA	NA	NA	NA
Disulfoton	ND(0.78)	NA	NA	NA	NA	NA
Ethyl Parathion	ND(0.78)	NA	NA	NA	NA	NA
Famphur	ND(0.39)	NA	NA	NA	NA	NA
Methyl Parathion	ND(0.78)	NA	NA	NA	NA	NA
Phorate	ND(0.78)	NA	NA	NA	NA	NA
Sulfotep	ND(0.78)	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	ND(0.37)	NA	NA	NA	NA	NA
2,4,5-TP	ND(0.37)	NA	NA	NA	NA	NA
2,4-D	ND(0.80)	NA	NA	NA	NA	NA
Dinoseb	ND(0.39)	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000010 Y	0.000062 J	0.000011 J	ND(0.000016) X	0.000071 Y	NA
TCDFs (total)	0.000093	0.000052	0.00014	0.000044	0.00053	NA
1,2,3,7,8-PeCDF	ND(0.000039) X	0.000016 J	0.000045 J	ND(0.000010) X	0.000053	NA
2,3,4,7,8-PeCDF	0.000011 J	0.000054 J	0.000024 J	ND(0.000016) X	0.000066	NA
PeCDFs (total)	0.00010 QJ	0.000061	0.00027 Q	0.000011	0.00056 QJ	NA
1,2,3,4,7,8-HxCDF	0.000091 J	ND(0.000050) X	0.000065 J	ND(0.000011) X	0.00013	NA
1,2,3,6,7,8-HxCDF	0.000046 J	0.000037 J	0.000071 J	0.000012 J	0.000060	NA
1,2,3,7,8,9-HxCDF	0.000021 J	ND(0.000026)	0.000026 J	ND(0.000027)	0.000018 J	NA
2,3,4,6,7,8-HxCDF	0.000061 J	ND(0.000040) X	0.000012 J	0.000013 J	0.000031	NA
HxCDFs (total)	0.00010	0.000041	0.00015	0.000012	0.00049	NA
1,2,3,4,6,7,8-HpCDF	0.000017 J	0.000011 J	0.000017 J	0.000052 J	0.00011	NA
1,2,3,4,7,8,9-HpCDF	0.000040 J	ND(0.000023) X	0.000026 J	ND(0.000027)	0.000029	NA
HpCDFs (total)	0.000043	0.000026	0.000037	0.000010	0.00020	NA
OCDF	0.000038 J	0.000018 J	0.000030 J	0.000051 J	0.00014	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000022)	ND(0.000015)	ND(0.000012)	ND(0.000014)	ND(0.000019)	NA
TCDDs (total)	ND(0.000040)	ND(0.000035)	0.000011	ND(0.000030)	0.000036	NA
1,2,3,7,8-PeCDD	ND(0.000024)	ND(0.000026)	ND(0.000030) X	ND(0.000027)	0.000030 J	NA
PeCDDs (total)	ND(0.000024)	ND(0.000026)	0.000050 Q	ND(0.000048)	0.000022	NA
1,2,3,4,7,8-HxCDD	0.000029 J	0.000035 J	0.000011 J	ND(0.000027)	ND(0.000019) X	NA
1,2,3,6,7,8-HxCDD	0.000026 J	0.000031 J	ND(0.000028) X	ND(0.000027)	ND(0.000038) X	NA
1,2,3,7,8,9-HxCDD	0.000022 J	ND(0.000020) X	ND(0.000028) X	ND(0.000027)	0.000040 J	NA
HxCDDs (total)	0.000088	0.000013	0.000011	ND(0.000026)	0.000027	NA
1,2,3,4,6,7,8-HpCDD	0.000045	0.000059	0.000021 J	0.000079 J	0.000030	NA
HpCDDs (total)	0.000080	0.00011	0.000037	0.000015	0.000058	NA
OCDD	0.00033	0.00061	0.00014	ND(0.000057)	0.00019	NA
Total TEQs (WHO TEFs)	0.000013	0.000079	0.000019	0.000035	0.000073	NA
<b>Inorganics</b>						
Antimony	ND(6.00)	ND(6.00)	0.920 B	2.20 B	2.10 B	NA
Arsenic	6.40	5.50	5.10	5.90	6.40	NA
Barium	48.0	51.0	63.0	44.0	51.0	NA
Beryllium	0.240 B	0.190 B	0.280 B	0.260 B	0.220 B	NA
Cadmium	0.280 B	0.310 B	0.400 B	0.650	1.00	NA
Chromium	6.10	7.10	6.00	7.40	8.80	NA
Cobalt	6.70	6.00	49.0	6.70	5.10 B	NA
Copper	35.0	24.0	120	16.0	250	NA
Cyanide	ND(0.230)	ND(0.120)	0.0800 B	0.0280 B	0.0980 B	NA
Lead	71.0	140	31.0	20.0	99.0	NA
Mercury	0.0860 B	0.120	0.230 J	ND(0.110)	0.320	NA
Nickel	11.0	11.0	26.0	12.0	14.0	NA
Selenium	0.660 J	ND(1.00) J	0.730 J	ND(1.00) J	ND(1.00) J	NA
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	NA
Sulfide	9.30	17.0	14.0	ND(5.60)	44.0	NA
Thallium	ND(1.20) J	ND(1.20) J	ND(1.20) J	0.880 J	ND(1.10) J	NA
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	30.0	NA
Vanadium	7.50	8.20	12.0	7.70	8.10	NA
Zinc	65.0	160	42.0	55.0	190	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E19 0-1 04/01/03	RAA11-E19 3-6 04/01/03	RAA11-E19 4-6 04/01/03	RAA11-E21 0-1 04/01/03	RAA11-E21 1-3 04/01/03	RAA11-E21 3-6 04/01/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,1,1-Trichloroethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,1,2,2-Tetrachloroethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,1,2-Trichloroethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,1-Dichloroethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,1-Dichloroethene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,2,3-Trichloropropane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,2-Dibromo-3-chloropropane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,2-Dibromoethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,2-Dichloroethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,2-Dichloropropane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
1,4-Dioxane	ND(0.11) J	NA	ND(0.11) J	ND(0.12) J	ND(0.11) J	NA
2-Butanone	ND(0.011)	NA	ND(0.011)	ND(0.012)	ND(0.011)	NA
2-Chloro-1,3-butadiene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
2-Chloroethylvinylether	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
2-Hexanone	ND(0.011)	NA	ND(0.011)	ND(0.012)	ND(0.011)	NA
3-Chloropropene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
4-Methyl-2-pentanone	ND(0.011) J	NA	ND(0.011) J	ND(0.012) J	ND(0.011) J	NA
Acetone	ND(0.022)	NA	0.031	ND(0.023)	0.014 J	NA
Acetonitrile	ND(0.11) J	NA	ND(0.11) J	ND(0.12) J	ND(0.11) J	NA
Acrolein	ND(0.11) J	NA	ND(0.11) J	ND(0.12) J	ND(0.11) J	NA
Acrylonitrile	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Benzene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Bromodichloromethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Bromoform	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Bromomethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Carbon Disulfide	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Carbon Tetrachloride	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Chlorobenzene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Chloroethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Chloroform	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Chloromethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
cis-1,3-Dichloropropene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Dibromochloromethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Dibromomethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Dichlorodifluoromethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Ethyl Methacrylate	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Ethylbenzene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Iodomethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Isobutanol	ND(0.11) J	NA	ND(0.11) J	ND(0.12) J	ND(0.11) J	NA
Methacrylonitrile	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Methyl Methacrylate	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Methylene Chloride	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Propionitrile	ND(0.011) J	NA	ND(0.011) J	ND(0.012) J	ND(0.011) J	NA
Styrene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Tetrachloroethene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Toluene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
trans-1,2-Dichloroethene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
trans-1,3-Dichloropropene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
trans-1,4-Dichloro-2-butene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Trichloroethene	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Trichlorofluoromethane	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Vinyl Acetate	ND(0.0056) J	NA	ND(0.0057) J	ND(0.0059) J	ND(0.0057) J	NA
Vinyl Chloride	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
Xylenes (total)	ND(0.0056)	NA	ND(0.0057)	ND(0.0059)	ND(0.0057)	NA
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
1,2-Dichlorobenzene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
1,2-Diphenylhydrazine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
1,3,5-Trinitrobenzene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
1,3-Dichlorobenzene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
1,3-Dinitrobenzene	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
1,4-Dichlorobenzene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
1,4-Naphthoquinone	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E19 0-1 04/01/03	RAA11-E19 3-6 04/01/03	RAA11-E19 4-6 04/01/03	RAA11-E21 0-1 04/01/03	RAA11-E21 1-3 04/01/03	RAA11-E21 3-6 04/01/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
2,3,4,6-Tetrachlorophenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2,4,5-Trichlorophenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2,4,6-Trichlorophenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2,4-Dichlorophenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2,4-Dimethylphenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2,4-Dinitrophenol	ND(1.9) J	ND(1.8) J	NA	ND(2.0) J	ND(1.9) J	ND(1.9) J
2,4-Dinitrotoluene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2,6-Dichlorophenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2,6-Dinitrotoluene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2-Acetylaminofluorene	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
2-Chloronaphthalene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2-Chlorophenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2-Methylnaphthalene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2-Methylphenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
2-Naphthylamine	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
2-Nitroaniline	ND(1.9) J	ND(1.8) J	NA	ND(2.0) J	ND(1.9) J	ND(1.9) J
2-Nitrophenol	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
2-Picoline	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
3&4-Methylphenol	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
3,3'-Dichlorobenzidine	ND(0.75) J	ND(0.73) J	NA	ND(0.79) J	ND(0.77) J	ND(0.76) J
3,3'-Dimethylbenzidine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
3-Methylcholanthrene	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
3-Nitroaniline	ND(1.9)	ND(1.8)	NA	ND(2.0)	ND(1.9)	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
4-Aminobiphenyl	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
4-Bromophenyl-phenylether	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
4-Chloro-3-Methylphenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
4-Chloroaniline	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
4-Chlorobenzilate	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
4-Chlorophenyl-phenylether	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
4-Nitroaniline	ND(1.9)	ND(1.8)	NA	ND(2.0)	ND(1.9)	ND(1.9)
4-Nitrophenol	ND(1.9)	ND(1.8)	NA	ND(2.0)	ND(1.9)	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
4-Phenylenediamine	ND(0.75) J	ND(0.73) J	NA	ND(0.79) J	ND(0.77) J	ND(0.76) J
5-Nitro-o-toluidine	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
7,12-Dimethylbenz(a)anthracene	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
a,a'-Dimethylphenethylamine	ND(0.75) J	ND(0.73) J	NA	ND(0.79) J	ND(0.77) J	ND(0.76) J
Acenaphthene	0.12 J	0.081 J	NA	ND(0.39)	ND(0.38)	0.083 J
Acenaphthylene	ND(0.37)	0.46	NA	ND(0.39)	ND(0.38)	ND(0.38)
Acetophenone	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Aniline	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Anthracene	0.30 J	1.0	NA	ND(0.39)	ND(0.38)	0.19 J
Aramite	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
Benizidine	ND(0.75) J	ND(0.73) J	NA	ND(0.79) J	ND(0.77) J	ND(0.76) J
Benzo(a)anthracene	0.70	2.0	NA	0.086 J	0.14 J	0.44
Benzo(a)pyrene	0.54	1.8	NA	0.092 J	0.19 J	0.45
Benzo(b)fluoranthene	0.47	1.6	NA	0.084 J	0.12 J	0.40
Benzo(g,h,i)perylene	0.26 J	1.0	NA	ND(0.39)	ND(0.38)	0.25 J
Benzo(k)fluoranthene	0.39	1.2	NA	ND(0.39)	0.16 J	0.33 J
Benzyl Alcohol	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
bis(2-Chloroethoxy)methane	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
bis(2-Chloroethyl)ether	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
bis(2-Chloroisopropyl)ether	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
bis(2-Ethylhexyl)phthalate	0.16 J	0.17 J	NA	0.14 J	ND(0.38)	ND(0.38)
Butylbenzylphthalate	ND(0.37)	0.22 J	NA	ND(0.39)	ND(0.38)	ND(0.38)
Chrysene	0.60	1.5	NA	0.080 J	0.17 J	0.40
Diallate	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
Dibenzo(a,h)anthracene	0.099 J	0.32 J	NA	ND(0.39)	ND(0.38)	ND(0.38)
Dibenzofuran	0.099 J	0.16 J	NA	ND(0.39)	ND(0.38)	ND(0.38)
Diethylphthalate	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Dimethylphthalate	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Di-n-Butylphthalate	ND(0.37)	0.26 J	NA	ND(0.39)	ND(0.38)	ND(0.38)
Di-n-Octylphthalate	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Diphenylamine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E19 0-1 04/01/03	RAA11-E19 3-6 04/01/03	RAA11-E19 4-6 04/01/03	RAA11-E21 0-1 04/01/03	RAA11-E21 1-3 04/01/03	RAA11-E21 3-6 04/01/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Fluoranthene	1.6	5.8	NA	0.15 J	0.31 J	0.90
Fluorene	0.14 J	0.40	NA	ND(0.39)	ND(0.38)	0.11 J
Hexachlorobenzene	ND(0.37)	ND(0.36)	NA	0.13 J	1.9	ND(0.38)
Hexachlorobutadiene	ND(0.37)	ND(0.36)	NA	ND(0.39)	0.16 J	ND(0.38)
Hexachlorocyclopentadiene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Hexachloroethane	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Hexachlorophene	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
Hexachloropropene	ND(0.37) J	ND(0.36) J	NA	ND(0.39) J	ND(0.38) J	ND(0.38) J
Indeno(1,2,3-cd)pyrene	0.25 J	0.95	NA	ND(0.39)	0.078 J	0.20 J
Isodrin	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Isophorone	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Isosaffrole	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
Methapyrilene	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
Methyl Methanesulfonate	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Naphthalene	ND(0.37)	0.18 J	NA	ND(0.39)	ND(0.38)	0.10 J
Nitrobenzene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosodiethylamine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosodimethylamine	ND(0.37)	ND(0.36)	NA	ND(0.39)	0.11 J	ND(0.38)
N-Nitroso-di-n-butylamine	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
N-Nitroso-di-n-propylamine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosodiphenylamine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosomethylethylamine	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
N-Nitrosomorpholine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosopiperidine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosopyrrolidine	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
o,o,o-Triethylphosphorothioate	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
o-Toluidine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
p-Dimethylaminoazobenzene	ND(0.75) J	ND(0.73) J	NA	ND(0.79) J	ND(0.77) J	ND(0.76) J
Pentachlorobenzene	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Pentachloroethane	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Pentachloronitrobenzene	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
Pentachlorophenol	ND(1.9)	ND(1.8)	NA	ND(2.0)	ND(1.9)	ND(1.9)
Phenacetin	ND(0.75)	ND(0.73)	NA	ND(0.79)	ND(0.77)	ND(0.76)
Phenanthrene	1.4	4.0	NA	ND(0.39)	0.12 J	0.71
Phenol	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Pronamide	ND(0.37) J	ND(0.36) J	NA	ND(0.39) J	ND(0.38) J	ND(0.38) J
Pyrene	1.3	4.5	NA	0.14 J	0.34 J	1.1
Pyridine	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Safrole	ND(0.37)	ND(0.36)	NA	ND(0.39)	ND(0.38)	ND(0.38)
Thionazin	ND(0.37) J	ND(0.36) J	NA	ND(0.39) J	ND(0.38) J	ND(0.38) J
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	ND(0.016)	ND(0.016)	NA
4,4'-DDE	NA	NA	NA	ND(0.016)	ND(0.016)	NA
4,4'-DDT	NA	NA	NA	ND(0.016)	ND(0.016)	NA
Aldrin	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Alpha-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Alpha-Chlordane	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Beta-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Delta-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Dieldrin	NA	NA	NA	ND(0.016)	ND(0.016)	NA
Endosulfan I	NA	NA	NA	ND(0.016)	ND(0.016)	NA
Endosulfan II	NA	NA	NA	ND(0.016)	ND(0.016)	NA
Endosulfan Sulfate	NA	NA	NA	ND(0.016)	ND(0.016)	NA
Endrin	NA	NA	NA	ND(0.016)	ND(0.016)	NA
Endrin Aldehyde	NA	NA	NA	ND(0.016)	ND(0.016)	NA
Endrin Ketone	NA	NA	NA	ND(0.016)	ND(0.016)	NA
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Gamma-Chlordane	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Heptachlor	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Heptachlor Epoxide	NA	NA	NA	ND(0.0080)	ND(0.0080)	NA
Kepone	NA	NA	NA	ND(0.39)	ND(0.38)	NA
Methoxychlor	NA	NA	NA	ND(0.080)	ND(0.080)	NA
Technical Chlordane	NA	NA	NA	ND(0.098)	ND(0.095)	NA
Toxaphene	NA	NA	NA	ND(0.19)	ND(0.18)	NA



**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E19 0-1 04/01/03	RAA11-E19 3-6 04/01/03	RAA11-E19 4-6 04/01/03	RAA11-E21 0-1 04/01/03	RAA11-E21 1-3 04/01/03	RAA11-E21 3-6 04/01/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	ND(2.0)	ND(1.9)	NA
Disulfoton	NA	NA	NA	ND(0.79)	ND(0.77)	NA
Ethyl Parathion	NA	NA	NA	ND(0.79)	ND(0.77)	NA
Famphur	NA	NA	NA	ND(0.39)	ND(0.38)	NA
Methyl Parathion	NA	NA	NA	ND(0.79)	ND(0.77)	NA
Phorate	NA	NA	NA	ND(0.79)	ND(0.77)	NA
Sulfotep	NA	NA	NA	ND(0.79)	ND(0.77)	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	ND(0.38)	ND(0.37)	NA
2,4,5-TP	NA	NA	NA	ND(0.38)	ND(0.37)	NA
2,4-D	NA	NA	NA	ND(0.80)	ND(0.80)	NA
Dinoseb	NA	NA	NA	ND(0.39)	ND(0.38)	NA
<b>Furans</b>						
2,3,7,8-TCDF	ND(0.000024) X	0.000058 J	NA	0.000030 J	0.000044 J	ND(0.000046) X
TCDFs (total)	0.000081	0.000031	NA	0.000081	0.000025	0.000029
1,2,3,7,8-PeCDF	ND(0.000012) X	ND(0.000025) X	NA	ND(0.000012) X	0.000020 J	ND(0.000017)
2,3,4,7,8-PeCDF	ND(0.000016) X	0.000042 J	NA	ND(0.000018) X	0.000028 J	ND(0.000030)
PeCDFs (total)	0.000010 QJ	0.000032 QJ	NA	0.000014	0.000029	0.000031 QJ
1,2,3,4,7,8-HxCDF	0.000011 J	0.000038 J	NA	0.000012 J	ND(0.000021) X	0.000023 J
1,2,3,6,7,8-HxCDF	ND(0.000024)	ND(0.000024) X	NA	0.000015 J	ND(0.000021) X	0.000022 J
1,2,3,7,8,9-HxCDF	ND(0.000024)	ND(0.000026)	NA	ND(0.000028)	ND(0.000029)	ND(0.000026)
2,3,4,6,7,8-HxCDF	ND(0.000024)	0.000032 J	NA	ND(0.000016) X	0.000019 J	0.000020 J
HxCDFs (total)	0.000010	0.000041	NA	0.000018	0.000020	0.000024
1,2,3,4,6,7,8-HpCDF	0.000028 J	0.000066 J	NA	0.000044 J	0.000051 J	0.000053 J
1,2,3,4,7,8,9-HpCDF	ND(0.000024)	ND(0.000026)	NA	ND(0.000028)	ND(0.000029)	ND(0.000026)
HpCDFs (total)	0.000069	0.000019	NA	0.000093	0.000012	0.000011
OCDF	0.000053 J	0.000015 J	NA	0.000066 J	0.000011 J	0.000079 J
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000014)	ND(0.000011)	NA	ND(0.000012)	ND(0.000013)	ND(0.000011)
TCDDs (total)	ND(0.000035)	ND(0.000036)	NA	ND(0.000039)	ND(0.000038)	ND(0.000032)
1,2,3,7,8-PeCDD	ND(0.000024)	ND(0.000026)	NA	ND(0.000028)	ND(0.000029)	ND(0.000026)
PeCDDs (total)	ND(0.000042)	ND(0.000040)	NA	ND(0.000038)	ND(0.000048)	ND(0.000039)
1,2,3,4,7,8-HxCDD	ND(0.000024) J	ND(0.000028)	NA	ND(0.000028)	ND(0.000029)	ND(0.000026)
1,2,3,6,7,8-HxCDD	0.000011 J	ND(0.000026)	NA	ND(0.000028)	ND(0.000029)	ND(0.000026)
1,2,3,7,8,9-HxCDD	ND(0.000014) XJ	ND(0.000028)	NA	ND(0.000028)	ND(0.000029)	ND(0.000026)
HxCDDs (total)	0.000042 J	0.000024	NA	ND(0.000028)	ND(0.000029)	ND(0.000026)
1,2,3,4,6,7,8-HpCDD	0.000069 J	0.000025 J	NA	0.000082 J	0.000015 J	0.000077 J
HpCDDs (total)	0.000011	0.000041	NA	0.000016	0.000025	0.000014
OCDD	ND(0.000046)	0.000015	NA	0.000074	0.000013	ND(0.000059)
Total TEQs (WHO TEFs)	0.000033	0.000063	NA	0.000038	0.000052	0.000042
<b>Inorganics</b>						
Antimony	1.40 B	2.30 B	NA	ND(6.00)	1.40 B	1.40 B
Arsenic	5.60	6.00	NA	3.70	5.10	5.80
Barium	37.0	37.0	NA	28.0	27.0	29.0
Beryllium	0.230 B	0.240 B	NA	0.360 B	0.240 B	0.250 B
Cadmium	1.00	0.750	NA	0.710	0.760	0.830
Chromium	8.30	7.60	NA	8.30	7.60	9.30
Cobalt	6.60	8.70	NA	7.40	7.50	8.70
Copper	27.0	29.0	NA	14.0	15.0	21.0
Cyanide	0.280	0.120	NA	0.0630 B	0.0460 B	ND(0.230)
Lead	24.0	27.0	NA	15.0	21.0	46.0
Mercury	ND(0.110)	0.0750 B	NA	0.0390 B	0.0450 B	0.0670 B
Nickel	12.0	12.0	NA	12.0	13.0	14.0
Selenium	0.720 J	ND(1.00) J	NA	ND(1.00) J	ND(1.00) J	ND(1.00) J
Silver	ND(1.00)	ND(1.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	ND(5.60)	180	NA	19.0	16.0	28.0
Thallium	ND(1.10) J	ND(1.10) J	NA	1.40 J	ND(1.10) J	1.30 J
Tin	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	5.60	14.0	NA	7.80	7.00	10.0
Zinc	230	56.0	NA	52.0	57.0	73.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E21 4-6 04/01/03	RAA11-E23 0-1 04/02/03	RAA11-E25 0-1 04/01/03	RAA11-E25 1-3 04/01/03	RAA11-E25 6-10 04/02/03	RAA11-E25 8-10 04/02/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,1,1-Trichloroethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,1,2,2-Tetrachloroethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,1,2-Trichloroethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,1-Dichloroethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,1-Dichloroethene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,2,3-Trichloropropane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,2-Dibromo-3-chloropropane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,2-Dibromoethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,2-Dichloroethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,2-Dichloropropane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
1,4-Dioxane	ND(0.11) J	ND(0.11) J	ND(0.12) J	ND(0.12) J	NA	ND(0.13) J
2-Butanone	ND(0.011)	ND(0.011)	0.026	ND(0.012)	NA	ND(0.013)
2-Chloro-1,3-butadiene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
2-Chloroethylvinylether	ND(0.0057)	ND(0.0057) J	ND(0.0060)	ND(0.0059)	NA	ND(0.0065) J
2-Hexanone	ND(0.011)	ND(0.011)	ND(0.012)	ND(0.012)	NA	ND(0.013)
3-Chloropropene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
4-Methyl-2-pentanone	ND(0.011) J	ND(0.011) J	ND(0.012) J	ND(0.012) J	NA	ND(0.013) J
Acetone	ND(0.023)	ND(0.023)	0.013 J	ND(0.024)	NA	0.013 J
Acetonitrile	ND(0.11) J	ND(0.11) J	ND(0.12) J	ND(0.12) J	NA	ND(0.13) J
Acrolein	ND(0.11) J	ND(0.11) J	ND(0.12) J	ND(0.12) J	NA	ND(0.13) J
Acrylonitrile	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Benzene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Bromodichloromethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Bromoform	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Bromomethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Carbon Disulfide	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Carbon Tetrachloride	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Chlorobenzene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Chloroethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Chloroform	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Chloromethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
cis-1,3-Dichloropropene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Dibromochloromethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Dibromomethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Dichlorodifluoromethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Ethyl Methacrylate	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Ethylbenzene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Iodomethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Isobutanol	ND(0.11) J	ND(0.11) J	ND(0.12) J	ND(0.12) J	NA	ND(0.13) J
Methacrylonitrile	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Methyl Methacrylate	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Methylene Chloride	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Propionitrile	ND(0.011) J	ND(0.011) J	ND(0.012) J	ND(0.012) J	NA	ND(0.013) J
Styrene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Tetrachloroethene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Toluene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
trans-1,2-Dichloroethene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
trans-1,3-Dichloropropene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
trans-1,4-Dichloro-2-butene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Trichloroethene	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Trichlorofluoromethane	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Vinyl Acetate	ND(0.0057) J	ND(0.0057) J	ND(0.0060) J	ND(0.0059) J	NA	ND(0.0065) J
Vinyl Chloride	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
Xylenes (total)	ND(0.0057)	ND(0.0057)	ND(0.0060)	ND(0.0059)	NA	ND(0.0065)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
1,2,4-Trichlorobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
1,2-Dichlorobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
1,2-Diphenylhydrazine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
1,3,5-Trinitrobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
1,3-Dichlorobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
1,3-Dinitrobenzene	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
1,4-Dichlorobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
1,4-Naphthoquinone	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E21 4-6 04/01/03	RAA11-E23 0-1 04/02/03	RAA11-E25 0-1 04/01/03	RAA11-E25 1-3 04/01/03	RAA11-E25 6-10 04/02/03	RAA11-E25 8-10 04/02/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
2,3,4,6-Tetrachlorophenol	NA	ND(0.38) J	ND(0.40)	ND(0.40)	ND(0.50) J	NA
2,4,5-Trichlorophenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2,4,6-Trichlorophenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2,4-Dichlorophenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2,4-Dimethylphenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2,4-Dinitrophenol	NA	ND(1.9) J	ND(2.0) J	ND(2.0) J	ND(2.6) J	NA
2,4-Dinitrotoluene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2,6-Dichlorophenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2,6-Dinitrotoluene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2-Acetylaminofluorene	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
2-Chloronaphthalene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2-Chlorophenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2-Methylnaphthalene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2-Methylphenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
2-Naphthylamine	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
2-Nitroaniline	NA	ND(1.9)	ND(2.0) J	ND(2.0) J	ND(2.6)	NA
2-Nitrophenol	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
2-Picoline	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
3&4-Methylphenol	NA	ND(0.76)	0.099 J	ND(0.79)	ND(1.0)	NA
3,3'-Dichlorobenzidine	NA	ND(0.76)	ND(0.81) J	ND(0.79) J	ND(1.0)	NA
3,3'-Dimethylbenzidine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
3-Methylcholanthrene	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
3-Nitroaniline	NA	ND(1.9)	ND(2.0)	ND(2.0)	ND(2.6)	NA
4,6-Dinitro-2-methylphenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
4-Aminobiphenyl	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
4-Bromophenyl-phenylether	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
4-Chloro-3-Methylphenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
4-Chloroaniline	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
4-Chlorobenzilate	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
4-Chlorophenyl-phenylether	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
4-Nitroaniline	NA	ND(1.9)	ND(2.0)	ND(2.0)	ND(2.6)	NA
4-Nitrophenol	NA	ND(1.9)	ND(2.0)	ND(2.0)	ND(2.6)	NA
4-Nitroquinoline-1-oxide	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
4-Phenylenediamine	NA	ND(0.76)	ND(0.81) J	ND(0.79) J	ND(1.0)	NA
5-Nitro-o-toluidine	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
7,12-Dimethylbenz(a)anthracene	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
a,a'-Dimethylphenethylamine	NA	ND(0.76)	ND(0.81) J	ND(0.79) J	ND(1.0)	NA
Acenaphthene	NA	ND(0.38)	0.37 J	0.15 J	ND(0.50)	NA
Acenaphthylene	NA	ND(0.38)	0.17 J	0.28 J	ND(0.50)	NA
Acetophenone	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Aniline	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Anthracene	NA	ND(0.38)	1.0	0.56	ND(0.50)	NA
Aramite	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
Benzidine	NA	ND(0.76)	ND(0.81) J	ND(0.79) J	ND(1.0)	NA
Benzo(a)anthracene	NA	ND(0.38)	3.0	2.0	0.18 J	NA
Benzo(a)pyrene	NA	ND(0.38)	3.0	2.0	0.15 J	NA
Benzo(b)fluoranthene	NA	ND(0.38)	2.4	1.7	ND(0.50)	NA
Benzo(g,h,i)perylene	NA	ND(0.38)	1.6	1.2	ND(0.50)	NA
Benzo(k)fluoranthene	NA	ND(0.38)	2.6	1.5	ND(0.50)	NA
Benzyl Alcohol	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
bis(2-Chloroethoxy)methane	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
bis(2-Chloroethyl)ether	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
bis(2-Chloroisopropyl)ether	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.50)	NA
Butylbenzylphthalate	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Chrysene	NA	ND(0.38)	2.8	1.8	0.18 J	NA
Diallate	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
Dibenzo(a,h)anthracene	NA	ND(0.38)	0.43	0.47	ND(0.50)	NA
Dibenzofuran	NA	ND(0.38)	0.22 J	0.081 J	ND(0.50)	NA
Diethylphthalate	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Dimethylphthalate	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Di-n-Butylphthalate	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Di-n-Octylphthalate	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Diphenylamine	NA	ND(0.38) J	ND(0.40)	ND(0.40)	ND(0.50) J	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E21 4-6 04/01/03	RAA11-E23 0-1 04/02/03	RAA11-E25 0-1 04/01/03	RAA11-E25 1-3 04/01/03	RAA11-E25 6-10 04/02/03	RAA11-E25 8-10 04/02/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Fluoranthene	NA	0.11 J	5.0	3.7	0.42 J	NA
Fluorene	NA	ND(0.38)	0.47	0.17 J	ND(0.50)	NA
Hexachlorobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Hexachlorobutadiene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Hexachlorocyclopentadiene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Hexachloroethane	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Hexachlorophene	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
Hexachloropropene	NA	ND(0.38) J	ND(0.40) J	ND(0.40) J	ND(0.50) J	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.38)	1.4	0.99	ND(0.50)	NA
Isodrin	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Isophorone	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Isosafrole	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
Methapyrilene	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
Methyl Methanesulfonate	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Naphthalene	NA	ND(0.38)	0.17 J	0.11 J	ND(0.50)	NA
Nitrobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
N-Nitrosodiethylamine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
N-Nitrosodimethylamine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
N-Nitroso-di-n-butylamine	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
N-Nitroso-di-n-propylamine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
N-Nitrosodiphenylamine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
N-Nitrosomethylethylamine	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
N-Nitrosomorpholine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
N-Nitrosopiperidine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
N-Nitrosopyrrolidine	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
o,o,o-Triethylphosphorothioate	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
o-Toluidine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
p-Dimethylaminoazobenzene	NA	ND(0.76) J	ND(0.81) J	ND(0.79) J	ND(1.0) J	NA
Pentachlorobenzene	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Pentachloroethane	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Pentachloronitrobenzene	NA	ND(0.76) J	ND(0.81)	ND(0.79)	ND(1.0) J	NA
Pentachlorophenol	NA	ND(1.9)	ND(2.0)	ND(2.0)	ND(2.6)	NA
Phenacetin	NA	ND(0.76)	ND(0.81)	ND(0.79)	ND(1.0)	NA
Phenanthrene	NA	ND(0.38)	4.2	1.7	0.31 J	NA
Phenol	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Pronamide	NA	ND(0.38)	ND(0.40) J	ND(0.40) J	ND(0.50)	NA
Pyrene	NA	ND(0.38)	8.2	3.6	0.36 J	NA
Pyridine	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Safrole	NA	ND(0.38)	ND(0.40)	ND(0.40)	ND(0.50)	NA
Thionazin	NA	ND(0.38)	ND(0.40) J	ND(0.40) J	ND(0.50)	NA
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E21 4-6 04/01/03	RAA11-E23 0-1 04/02/03	RAA11-E25 0-1 04/01/03	RAA11-E25 1-3 04/01/03	RAA11-E25 6-10 04/02/03	RAA11-E25 8-10 04/02/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	NA	0.0000082 J	0.000018 Y	0.000020 Y	0.0000034 J	NA
TCDFs (total)	NA	0.0000082	0.00013	0.00011	0.000034	NA
1,2,3,7,8-PeCDF	NA	ND(0.000027)	ND(0.000088) X	0.000013 J	0.000022 J	NA
2,3,4,7,8-PeCDF	NA	ND(0.0000084) X	0.000017 J	0.000016 J	ND(0.000014) X	NA
PeCDFs (total)	NA	0.0000041	0.00016 QJ	0.00016 QJ	ND(0.000033)	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.000027)	0.000043	0.000041	0.000020 J	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.000027)	0.000025 J	0.000020 J	0.000013 J	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.000027)	0.000080 J	ND(0.000086) X	ND(0.000040)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.000027)	0.000020 J	0.000017 J	ND(0.000040)	NA
HxCDFs (total)	NA	0.0000030	0.00025	0.00024	0.000033	NA
1,2,3,4,6,7,8-HpCDF	NA	0.000011 J	0.000050	0.00013	0.000020 J	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.000027)	0.000020 J	0.000012 J	ND(0.000040)	NA
HpCDFs (total)	NA	0.000011	0.00012	0.00022	0.000020	NA
OCDF	NA	ND(0.000056)	0.000049 J	0.000084	ND(0.000080)	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	NA	ND(0.000016)	ND(0.000013)	ND(0.000016)	ND(0.000016)	NA
TCDDs (total)	NA	ND(0.000035)	ND(0.000032)	ND(0.000029)	ND(0.000053)	NA
1,2,3,7,8-PeCDD	NA	ND(0.000027)	ND(0.0000095) X	ND(0.000028) X	ND(0.000042)	NA
PeCDDs (total)	NA	ND(0.000053)	0.000032	0.000013 QJ	ND(0.000060)	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.000027)	ND(0.000032)	ND(0.000029)	ND(0.000040)	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.000027)	0.000024 J	0.000034 J	ND(0.000040)	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.000027)	0.000020 J	0.000030 J	ND(0.000040)	NA
HxCDDs (total)	NA	ND(0.000048)	0.000010	0.000032	ND(0.000078)	NA
1,2,3,4,6,7,8-HpCDD	NA	0.000025 J	0.000034	0.000028	0.000062 J	NA
HpCDDs (total)	NA	0.000025	0.000062	0.000053	0.000062	NA
OCDD	NA	0.000011 J	0.00026	0.00019	ND(0.000019) X	NA
Total TEQs (WHO TEFs)	NA	0.000035	0.000023	0.000024	0.000051	NA
<b>Inorganics</b>						
Antimony	NA	ND(6.0)	1.40 B	2.40 B	ND(6.00)	NA
Arsenic	NA	3.40	5.60	5.00	2.50	NA
Barium	NA	12.0 B	71.0	160	26.0	NA
Beryllium	NA	0.140 B	0.300 B	0.290 B	0.250 B	NA
Cadmium	NA	0.460 B	2.50	0.780	0.550	NA
Chromium	NA	3.50	11.0	20.0	8.30	NA
Cobalt	NA	4.50 B	7.80	8.30	8.20	NA
Copper	NA	9.10	27.0	35.0	13.0	NA
Cyanide	NA	ND(0.230)	0.220 B	0.230	0.0600 B	NA
Lead	NA	5.40 J	66.0	94.0	17.0	NA
Mercury	NA	ND(0.110)	0.630	0.720	0.400	NA
Nickel	NA	7.60	14.0	13.0	9.50	NA
Selenium	NA	ND(1.00)	ND(1.00) J	ND(1.00) J	ND(1.10)	NA
Silver	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.10)	NA
Sulfide	NA	18.0	4200	14.0	130	NA
Thallium	NA	1.20 J	ND(1.20) J	ND(1.20) J	ND(1.50) J	NA
Tin	NA	ND(10.0)	ND(10.0)	ND(10.0)	ND(11.0)	NA
Vanadium	NA	3.50 B	10.0	11.0	6.20	NA
Zinc	NA	30.0	1600	90.0	38.0	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E27 0-1 04/02/03	RAA11-F12 0-1 03/25/03	RAA11-F21 0-1 04/01/03	RAA11-F21 10-15 04/01/03	RAA11-F26 0-1 04/02/03	RAA11-G13 0-1 03/28/03
<b>Volatiles Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,1,1-Trichloroethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,1,2,2-Tetrachloroethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,1,2-Trichloroethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,1-Dichloroethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,1-Dichloroethene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,2,3-Trichloropropane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,2-Dibromo-3-chloropropane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,2-Dibromoethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,2-Dichloroethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,2-Dichloropropane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
1,4-Dioxane	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
2-Butanone	ND(0.012)	0.18	ND(0.011)	NA	ND(0.011)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
2-Chloroethylvinylether	ND(0.0062) J	ND(0.0058)	ND(0.0056)	NA	ND(0.0057) J	ND(0.0057)
2-Hexanone	ND(0.012)	ND(0.012)	ND(0.011)	NA	ND(0.011)	ND(0.011)
3-Chloropropene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
4-Methyl-2-pentanone	ND(0.012) J	ND(0.012)	ND(0.011) J	NA	ND(0.011) J	ND(0.011)
Acetone	ND(0.025)	ND(0.023)	0.013 J	NA	ND(0.023)	ND(0.023)
Acetonitrile	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
Acrolein	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
Acrylonitrile	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Benzene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Bromodichloromethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Bromoform	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Bromomethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Carbon Disulfide	ND(0.0062)	ND(0.0058) J	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Carbon Tetrachloride	ND(0.0062)	ND(0.0058) J	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Chlorobenzene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Chloroethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Chloroform	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Chloromethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
cis-1,3-Dichloropropene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Dibromochloromethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Dibromomethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Dichlorodifluoromethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Ethyl Methacrylate	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Ethylbenzene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Iodomethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Isobutanol	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
Methacrylonitrile	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Methyl Methacrylate	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Methylene Chloride	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Propionitrile	ND(0.012) J	ND(0.012)	ND(0.011) J	NA	ND(0.011) J	ND(0.011) J
Styrene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Tetrachloroethene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Toluene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
trans-1,2-Dichloroethene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
trans-1,3-Dichloropropene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
trans-1,4-Dichloro-2-butene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Trichloroethene	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Trichlorofluoromethane	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Vinyl Acetate	ND(0.0062) J	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057) J	ND(0.0057)
Vinyl Chloride	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
Xylenes (total)	ND(0.0062)	ND(0.0058)	ND(0.0056)	NA	ND(0.0057)	ND(0.0057)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38) J
1,2,4-Trichlorobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
1,2-Dichlorobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
1,2-Diphenylhydrazine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
1,3,5-Trinitrobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
1,3-Dichlorobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
1,3-Dinitrobenzene	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
1,4-Dichlorobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
1,4-Naphthoquinone	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E27 0-1 04/02/03	RAA11-F12 0-1 03/25/03	RAA11-F21 0-1 04/01/03	RAA11-F21 10-15 04/01/03	RAA11-F26 0-1 04/02/03	RAA11-G13 0-1 03/28/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
2,3,4,6-Tetrachlorophenol	ND(0.53) J	ND(1.2)	NA	NA	ND(0.38) J	ND(0.38)
2,4,5-Trichlorophenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2,4,6-Trichlorophenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2,4-Dichlorophenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2,4-Dimethylphenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2,4-Dinitrophenol	ND(2.7) J	ND(5.8) J	NA	NA	ND(1.9) J	ND(1.9) J
2,4-Dinitrofluorene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2,6-Dichlorophenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2,6-Dinitrofluorene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2-Acetylaminofluorene	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
2-Chloronaphthalene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2-Chlorophenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2-Methylnaphthalene	ND(0.53)	0.45 J	NA	NA	0.28 J	0.093 J
2-Methylphenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
2-Naphthylamine	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
2-Nitroaniline	ND(2.7)	ND(5.8) J	NA	NA	ND(1.9)	ND(1.9)
2-Nitrophenol	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
2-Picoline	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
3&4-Methylphenol	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
3,3'-Dichlorobenzidine	ND(1.1)	ND(2.3)	NA	NA	ND(0.76) J	ND(0.77)
3,3'-Dimethylbenzidine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38) J
3-Methylcholanthrene	ND(0.82)	ND(1.2)	NA	NA	ND(0.76) J	ND(0.77)
3-Nitroaniline	ND(2.7)	ND(5.8)	NA	NA	ND(1.9)	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
4-Aminobiphenyl	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
4-Bromophenyl-phenylether	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
4-Chloro-3-Methylphenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
4-Chloroaniline	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
4-Chlorobenzilate	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
4-Chlorophenyl-phenylether	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
4-Nitroaniline	ND(2.1)	ND(2.0)	NA	NA	ND(1.9)	ND(1.9)
4-Nitrophenol	ND(2.7)	ND(5.8)	NA	NA	ND(1.9)	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.82)	ND(1.2) J	NA	NA	ND(0.76)	ND(0.77) J
4-Phenylenediamine	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
5-Nitro-o-toluidine	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
7,12-Dimethylbenz(a)anthracene	ND(0.82)	ND(1.2)	NA	NA	ND(0.76) J	ND(0.77)
a,a'-Dimethylphenethylamine	ND(0.82)	ND(1.2) J	NA	NA	ND(0.76)	ND(0.77) J
Acenaphthene	ND(0.53)	ND(1.2)	NA	NA	0.27 J	ND(0.38)
Acenaphthylene	0.16 J	3.0	NA	NA	0.44	0.99
Acetophenone	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Aniline	ND(0.53)	ND(1.2) J	NA	NA	ND(0.38)	ND(0.38)
Anthracene	0.30 J	1.3	NA	NA	1.8	0.59
Aramite	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
Benzidine	ND(1.1)	ND(2.3) J	NA	NA	ND(0.76) J	ND(0.77) J
Benzo(a)anthracene	1.3	5.0	NA	NA	7.0 J	1.8
Benzo(a)pyrene	1.6	9.3	NA	NA	7.0 J	2.3
Benzo(b)fluoranthene	1.1	6.1	NA	NA	4.9 J	2.3
Benzo(g,h,i)perylene	0.96	10	NA	NA	4.1 J	1.6
Benzo(k)fluoranthene	1.0	5.4	NA	NA	5.8 J	1.6
Benzyl Alcohol	ND(1.1)	ND(2.3)	NA	NA	ND(0.76)	ND(0.77)
bis(2-Chloroethoxy)methane	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
bis(2-Chloroethyl)ether	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
bis(2-Chloroisopropyl)ether	ND(0.53)	ND(1.2) J	NA	NA	ND(0.38)	ND(0.38)
bis(2-Ethylhexyl)phthalate	ND(0.41)	ND(0.58)	NA	NA	ND(0.38) J	ND(0.38)
Butylbenzylphthalate	ND(0.53)	ND(1.2)	NA	NA	ND(0.38) J	ND(0.38)
Chrysene	1.5	5.0	NA	NA	11 J	1.7
Diallyl	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77) J
Dibenzo(a,h)anthracene	0.30 J	ND(1.2)	NA	NA	ND(0.38) J	0.68
Dibenzofuran	ND(0.53)	ND(1.2)	NA	NA	0.27 J	ND(0.38)
Diethylphthalate	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Dimethylphthalate	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Di-n-Butylphthalate	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Di-n-Octylphthalate	ND(0.53)	ND(1.2) J	NA	NA	1.4 J	ND(0.38)
Diphenylamine	ND(0.53) J	ND(1.2)	NA	NA	ND(0.38) J	ND(0.38)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E27 0-1 04/02/03	RAA11-F12 0-1 03/25/03	RAA11-F21 0-1 04/01/03	RAA11-F21 10-15 04/01/03	RAA11-F26 0-1 04/02/03	RAA11-G13 0-1 03/28/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Fluoranthene	2.3	8.2	NA	NA	16	3.2
Fluorene	0.11 J	ND(1.2)	NA	NA	1.0	ND(0.38)
Hexachlorobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Hexachlorobutadiene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Hexachlorocyclopentadiene	ND(0.53)	ND(1.2) J	NA	NA	ND(0.38)	ND(0.38)
Hexachloroethane	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Hexachlorophene	ND(1.1)	ND(2.3) J	NA	NA	ND(0.76)	ND(0.77) J
Hexachloropropene	ND(0.53) J	ND(1.2)	NA	NA	ND(0.38) J	ND(0.38) J
Indeno(1,2,3-cd)pyrene	0.69	6.7	NA	NA	3.4 J	1.5
Isodrin	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38) J
Isophorone	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Isosafrole	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
Methapyrilene	ND(0.82)	ND(1.2) J	NA	NA	ND(0.76)	ND(0.77)
Methyl Methanesulfonate	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Naphthalene	0.16 J	1.0 J	NA	NA	0.32 J	0.12 J
Nitrobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
N-Nitrosodiethylamine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
N-Nitrosodimethylamine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
N-Nitroso-di-n-butylamine	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
N-Nitroso-di-n-propylamine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
N-Nitrosodiphenylamine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
N-Nitrosomethylethylamine	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
N-Nitrosomorpholine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
N-Nitrosopiperidine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
N-Nitrosopyrrolidine	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
o,o,o-Triethylphosphorothioate	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38) J
o-Toluidine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
p-Dimethylaminoazobenzene	ND(0.82) J	ND(1.2)	NA	NA	ND(0.76) J	ND(0.77)
Pentachlorobenzene	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38) J
Pentachloroethane	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38) J
Pentachloronitrobenzene	ND(0.82) J	ND(1.2)	NA	NA	ND(0.76) J	ND(0.77)
Pentachlorophenol	ND(2.7)	ND(5.8)	NA	NA	ND(1.9)	ND(1.9)
Phenacetin	ND(0.82)	ND(1.2)	NA	NA	ND(0.76)	ND(0.77)
Phenanthrene	1.2	3.5	NA	NA	16	0.90
Phenol	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Pronamide	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Pyrene	3.0	9.4	NA	NA	33 J	3.1
Pyridine	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Safrole	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38)
Thionazin	ND(0.53)	ND(1.2)	NA	NA	ND(0.38)	ND(0.38) J
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	ND(0.016)	NA	NA	NA	NA
4,4'-DDE	NA	ND(0.016)	NA	NA	NA	NA
4,4'-DDT	NA	ND(0.016)	NA	NA	NA	NA
Aldrin	NA	ND(0.0080)	NA	NA	NA	NA
Alpha-BHC	NA	ND(0.0080)	NA	NA	NA	NA
Alpha-Chlordane	NA	ND(0.0080)	NA	NA	NA	NA
Beta-BHC	NA	ND(0.0080)	NA	NA	NA	NA
Delta-BHC	NA	ND(0.0080)	NA	NA	NA	NA
Dieldrin	NA	ND(0.016)	NA	NA	NA	NA
Endosulfan I	NA	ND(0.016)	NA	NA	NA	NA
Endosulfan II	NA	ND(0.016)	NA	NA	NA	NA
Endosulfan Sulfate	NA	ND(0.016)	NA	NA	NA	NA
Endrin	NA	ND(0.016)	NA	NA	NA	NA
Endrin Aldehyde	NA	ND(0.016)	NA	NA	NA	NA
Endrin Ketone	NA	ND(0.016)	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	ND(0.0080)	NA	NA	NA	NA
Gamma-Chlordane	NA	ND(0.0080)	NA	NA	NA	NA
Heptachlor	NA	ND(0.0080)	NA	NA	NA	NA
Heptachlor Epoxide	NA	ND(0.0080)	NA	NA	NA	NA
Kepone	NA	ND(1.2)	NA	NA	NA	NA
Methoxychlor	NA	ND(0.080)	NA	NA	NA	NA
Technical Chlordane	NA	ND(0.097)	NA	NA	NA	NA
Toxaphene	NA	ND(0.19)	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-E27 0-1 04/02/03	RAA11-F12 0-1 03/25/03	RAA11-F21 0-1 04/01/03	RAA11-F21 10-15 04/01/03	RAA11-F26 0-1 04/02/03	RAA11-G13 0-1 03/28/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	ND(2.0)	NA	NA	NA	NA
Disulfoton	NA	ND(1.2)	NA	NA	NA	NA
Ethyl Parathion	NA	ND(1.2)	NA	NA	NA	NA
Famphur	NA	ND(1.2)	NA	NA	NA	NA
Methyl Parathion	NA	ND(1.2)	NA	NA	NA	NA
Phorate	NA	ND(1.2)	NA	NA	NA	NA
Sulfotep	NA	ND(1.2)	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	ND(0.37)	NA	NA	NA	NA
2,4,5-TP	NA	ND(0.37)	NA	NA	NA	NA
2,4-D	NA	ND(0.80)	NA	NA	NA	NA
Dinoseb	NA	ND(1.2)	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000041 Y	0.000024 J	0.000042 J	0.000093 Y	0.000038 Y	0.000039 J
TCDFs (total)	0.00026 QJ	0.000018	0.000024	0.00086	0.00038 QJ	0.000017
1,2,3,7,8-PeCDF	0.000024 J	ND(0.000011) X	0.000020 J	0.000064	0.000013 J	0.0000012 J
2,3,4,7,8-PeCDF	0.000033 J	ND(0.000015)	ND(0.000033) X	0.000030	0.000056	0.0000029 J
PeCDFs (total)	0.00029 QJ	0.000036 QJ	0.000019	0.00088 Q	0.00059 QJ	0.000019 QJ
1,2,3,4,7,8-HxCDF	0.000052	ND(0.000047)	0.000026 J	0.00020	0.000035	ND(0.000015) X
1,2,3,6,7,8-HxCDF	0.000025 J	ND(0.000018) X	ND(0.000023) X	0.000089	0.000026	0.0000017 J
1,2,3,7,8,9-HxCDF	0.000010 J	ND(0.000028)	ND(0.000027)	0.000038	0.0000072 J	ND(0.000026)
2,3,4,6,7,8-HxCDF	0.000021 J	ND(0.000032) X	0.000033 J	0.000098	0.000041	ND(0.000026)
HxCDFs (total)	0.00029	0.000033	0.000032	0.0016	0.00066	0.000019
1,2,3,4,6,7,8-HpCDF	0.000052	0.000032 J	0.000088 J	0.00056	0.000076	0.0000051 J
1,2,3,4,7,8,9-HpCDF	0.000011 J	ND(0.000028)	ND(0.000027)	0.000076	0.000011 J	ND(0.000033)
HpCDFs (total)	0.000098	0.000069	0.000025	0.0011	0.00020	0.000097
OCDF	0.000046 J	0.000053 J	0.000022 J	0.00048	0.000062	ND(0.000058) X
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000019)	ND(0.000031)	ND(0.000012)	ND(0.000035) X	ND(0.000024)	ND(0.000023)
TCDDs (total)	0.000025	ND(0.000031)	ND(0.000036)	0.00052	ND(0.000024)	ND(0.000022)
1,2,3,7,8-PeCDD	0.000019 J	ND(0.000028)	ND(0.000027)	ND(0.000035) X	0.000021 J	ND(0.000026)
PeCDDs (total)	0.000013	ND(0.000028)	ND(0.000038)	0.00012 QJ	0.000014	0.0000010 QJ
1,2,3,4,7,8-HxCDD	ND(0.000034)	ND(0.000030)	ND(0.000027)	0.000019 J	0.000027 J	ND(0.000026)
1,2,3,6,7,8-HxCDD	ND(0.000034)	ND(0.000028)	ND(0.000027)	0.000028 J	0.000052 J	ND(0.000026)
1,2,3,7,8,9-HxCDD	ND(0.000034)	ND(0.000029)	ND(0.000027)	0.000027 J	0.000039 J	ND(0.000026)
HxCDDs (total)	0.000015	ND(0.000028)	0.000031	0.00039	0.000028	0.0000033
1,2,3,4,6,7,8-HpCDD	0.000023 J	ND(0.000062)	0.000023 J	0.00021	0.000061	0.000017 J
HpCDDs (total)	0.000044	0.000062	0.000043	0.00041	0.00014	0.000032
OCDD	0.00012	0.000043 J	0.00021	0.0012	0.00045	0.000080
Total TEQs (WHO TEFs)	0.000037	0.000047	0.000049	0.00011	0.000049	0.000055
<b>Inorganics</b>						
Antimony	ND(6.0)	ND(6.00)	NA	NA	ND(6.0)	ND(6.00)
Arsenic	8.90	6.60	NA	NA	5.10	6.90
Barium	76.0	24.0	NA	NA	33.0	32.0
Beryllium	0.330 B	ND(0.500)	NA	NA	0.210 B	0.200 B
Cadmium	1.70	0.250 B	NA	NA	1.10	0.220 B
Chromium	47.0	6.50	NA	NA	8.20	6.60
Cobalt	9.10	9.20	NA	NA	5.70	7.50
Copper	230	17.0	NA	NA	36.0	21.0
Cyanide	0.200	ND(0.120)	NA	NA	0.0980 B	0.0870 B
Lead	370	29.0	NA	NA	150	32.0
Mercury	0.410	ND(0.120)	NA	NA	0.150	0.0620 B
Nickel	18.0	11.0	NA	NA	12.0	14.0
Selenium	ND(1.00)	1.10	NA	NA	ND(1.00)	0.550 J
Silver	ND(1.00)	ND(1.00)	NA	NA	ND(1.00)	ND(1.00)
Sulfide	24.0	11.0	NA	43.0	16.0	33.0
Thallium	1.50 J	ND(1.80) J	NA	NA	1.40 J	ND(1.10) J
Tin	35.0	4.40 B	NA	NA	ND(10.0)	ND(10.0)
Vanadium	11.0	8.00	NA	NA	9.20	8.20
Zinc	320	42.0	NA	NA	100	41.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G13 3-6 03/28/03	RAA11-G13 4-6 03/28/03	RAA11-G13 10-12 03/28/03	RAA11-G13 10-15 03/28/03	RAA11-G15 0-1 03/28/03	RAA11-G15 1-3 03/28/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
1,1,1-Trichloroethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
1,1,2,2-Tetrachloroethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
1,1,2-Trichloroethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
1,1-Dichloroethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
1,1-Dichloroethene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
1,2,3-Trichloropropane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
1,2-Dibromo-3-chloropropane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
1,2-Dibromoethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
1,2-Dichloroethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
1,2-Dichloropropane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
1,4-Dioxane	NA	ND(0.11) J	ND(0.12) J	NA	ND(0.11) J	ND(0.12) J
2-Butanone	NA	ND(0.011)	ND(0.012)	NA	ND(0.011) J	ND(0.012)
2-Chloro-1,3-butadiene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
2-Chloroethylvinylether	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
2-Hexanone	NA	ND(0.011)	ND(0.012)	NA	ND(0.011)	ND(0.012)
3-Chloropropene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
4-Methyl-2-pentanone	NA	ND(0.011)	ND(0.012)	NA	ND(0.011) J	ND(0.012)
Acetone	NA	ND(0.022)	0.017 J	NA	ND(0.023) J	ND(0.023)
Acetonitrile	NA	ND(0.11) J	ND(0.12) J	NA	ND(0.11) J	ND(0.12) J
Acrolein	NA	ND(0.11) J	ND(0.12) J	NA	ND(0.11) J	ND(0.12) J
Acrylonitrile	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Benzene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Bromodichloromethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Bromoforn	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
Bromomethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Carbon Disulfide	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Carbon Tetrachloride	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Chlorobenzene	NA	ND(0.0056)	0.020	NA	ND(0.0057)	ND(0.0058)
Chloroethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Chloroform	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Chloromethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
cis-1,3-Dichloropropene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Dibromochloromethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
Dibromomethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Dichlorodifluoromethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Ethyl Methacrylate	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
Ethylbenzene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
Iodomethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Isobutanol	NA	ND(0.11) J	ND(0.12) J	NA	ND(0.11) J	ND(0.12) J
Methacrylonitrile	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Methyl Methacrylate	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Methylene Chloride	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Propionitrile	NA	ND(0.011) J	ND(0.012) J	NA	ND(0.011) J	ND(0.012) J
Styrene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
Tetrachloroethene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
Toluene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
trans-1,2-Dichloroethene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
trans-1,3-Dichloropropene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
trans-1,4-Dichloro-2-butene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
Trichloroethene	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Trichlorofluoromethane	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Vinyl Acetate	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Vinyl Chloride	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057) J	ND(0.0058)
Xylenes (total)	NA	ND(0.0056)	ND(0.0062)	NA	ND(0.0057)	ND(0.0058)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.36) J	NA	NA	ND(0.41) J	ND(0.38) J	ND(0.38) J
1,2,4-Trichlorobenzene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
1,2-Dichlorobenzene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
1,2-Diphenylhydrazine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
1,3,5-Trinitrobenzene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
1,3-Dichlorobenzene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
1,3-Dinitrobenzene	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
1,4-Dichlorobenzene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
1,4-Naphthoquinone	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G13 3-6 03/28/03	RAA11-G13 4-6 03/28/03	RAA11-G13 10-12 03/28/03	RAA11-G13 10-15 03/28/03	RAA11-G15 0-1 03/28/03	RAA11-G15 1-3 03/28/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
2,3,4,6-Tetrachlorophenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2,4,5-Trichlorophenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2,4,6-Trichlorophenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2,4-Dichlorophenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2,4-Dimethylphenol	ND(0.36)	NA	NA	ND(0.41)	0.20 J	ND(0.38)
2,4-Dinitrophenol	ND(1.8) J	NA	NA	ND(2.1) J	ND(1.9) J	ND(2.0) J
2,4-Dinitrotoluene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2,6-Dichlorophenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2,6-Dinitrotoluene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2-Acetylaminofluorene	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
2-Chloronaphthalene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2-Chlorophenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2-Methylnaphthalene	ND(0.36)	NA	NA	ND(0.41)	6.2	ND(0.38)
2-Methylphenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
2-Naphthylamine	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
2-Nitroaniline	ND(1.8)	NA	NA	ND(2.1)	ND(1.9)	ND(2.0)
2-Nitrophenol	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
2-Picoline	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
3&4-Methylphenol	ND(0.73)	NA	NA	ND(0.83)	0.17 J	ND(0.77)
3,3'-Dichlorobenzidine	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
3,3'-Dimethylbenzidine	ND(0.36) J	NA	NA	ND(0.41) J	ND(0.38) J	ND(0.38) J
3-Methylcholanthrene	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
3-Nitroaniline	ND(1.8)	NA	NA	ND(2.1)	ND(1.9)	ND(2.0)
4,6-Dinitro-2-methylphenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
4-Aminobiphenyl	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
4-Bromophenyl-phenylether	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
4-Chloro-3-Methylphenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
4-Chloroaniline	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
4-Chlorobenzilate	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
4-Chlorophenyl-phenylether	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
4-Nitroaniline	ND(1.8)	NA	NA	ND(2.1)	ND(1.9)	ND(2.0)
4-Nitrophenol	ND(1.8)	NA	NA	ND(2.1)	ND(1.9)	ND(2.0)
4-Nitroquinoline-1-oxide	ND(0.73) J	NA	NA	ND(0.83) J	ND(0.76) J	ND(0.77) J
4-Phenylenediamine	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
5-Nitro-o-toluidine	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
7,12-Dimethylbenz(a)anthracene	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
a,a'-Dimethylphenethylamine	ND(0.73) J	NA	NA	ND(0.83) J	ND(0.76) J	ND(0.77) J
Acenaphthene	0.92	NA	NA	ND(0.41)	16	0.11 J
Acenaphthylene	0.076 J	NA	NA	ND(0.41)	8.0	0.19 J
Acetophenone	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Aniline	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Anthracene	2.7	NA	NA	ND(0.41)	32	0.40
Aramite	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
Benzidine	ND(0.73) J	NA	NA	ND(0.83) J	ND(0.76) J	ND(0.77) J
Benzo(a)anthracene	4.4	NA	NA	ND(0.41)	65	1.3
Benzo(a)pyrene	2.7	NA	NA	0.13 J	54	1.5
Benzo(b)fluoranthene	2.7	NA	NA	ND(0.41)	49	1.3
Benzo(g,h,i)perylene	1.5	NA	NA	ND(0.41)	27	0.82
Benzo(k)fluoranthene	2.3	NA	NA	ND(0.41)	41	1.1
Benzyl Alcohol	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
bis(2-Chloroethoxy)methane	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
bis(2-Chloroethyl)ether	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
bis(2-Chloroisopropyl)ether	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
bis(2-Ethylhexyl)phthalate	ND(0.36)	NA	NA	ND(0.41)	ND(0.37)	ND(0.38)
Butylbenzylphthalate	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Chrysene	3.3	NA	NA	ND(0.41)	54	1.4
Diallate	ND(0.73) J	NA	NA	ND(0.83) J	ND(0.76) J	ND(0.77) J
Dibenzo(a,h)anthracene	0.59	NA	NA	ND(0.41)	12	0.24 J
Dibenzofuran	0.65	NA	NA	ND(0.41)	14	0.088 J
Diethylphthalate	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Dimethylphthalate	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Di-n-Butylphthalate	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Di-n-Octylphthalate	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Diphenylamine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G13 3-6 03/28/03	RAA11-G13 4-6 03/28/03	RAA11-G13 10-12 03/28/03	RAA11-G13 10-15 03/28/03	RAA11-G15 0-1 03/28/03	RAA11-G15 1-3 03/28/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Fluoranthene	10	NA	NA	ND(0.41)	130	2.8
Fluorene	1.1	NA	NA	ND(0.41)	30	0.23 J
Hexachlorobenzene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Hexachlorobutadiene	ND(0.36)	NA	NA	ND(0.41)	0.098 J	ND(0.38)
Hexachlorocyclopentadiene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Hexachloroethane	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Hexachlorophene	ND(0.73) J	NA	NA	ND(0.83) J	ND(0.76) J	ND(0.77) J
Hexachloropropene	ND(0.36) J	NA	NA	ND(0.41) J	ND(0.38) J	ND(0.38) J
Indeno(1,2,3-cd)pyrene	1.3	NA	NA	ND(0.41)	26	0.76
Isodrin	ND(0.36) J	NA	NA	ND(0.41) J	ND(0.38) J	ND(0.38) J
Isophorone	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Isosafrole	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
Methapyrilene	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
Methyl Methanesulfonate	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Naphthalene	0.22 J	NA	NA	ND(0.41)	6.8	0.12 J
Nitrobenzene	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
N-Nitrosodiethylamine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
N-Nitrosodimethylamine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
N-Nitroso-di-n-butylamine	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
N-Nitroso-di-n-propylamine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
N-Nitrosodiphenylamine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
N-Nitrosomethylethylamine	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
N-Nitrosomorpholine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
N-Nitrosopiperidine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
N-Nitrosopyrrolidine	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
o,o,o-Triethylphosphorothioate	ND(0.36) J	NA	NA	ND(0.41) J	ND(0.38) J	ND(0.38) J
o-Toluidine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
p-Dimethylaminoazobenzene	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
Pentachlorobenzene	ND(0.36) J	NA	NA	ND(0.41) J	ND(0.38) J	ND(0.38) J
Pentachloroethane	ND(0.36) J	NA	NA	ND(0.41) J	ND(0.38) J	ND(0.38) J
Pentachloronitrobenzene	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
Pentachlorophenol	ND(1.8)	NA	NA	ND(2.1)	ND(1.9)	ND(2.0)
Phenacetin	ND(0.73)	NA	NA	ND(0.83)	ND(0.76)	ND(0.77)
Phenanthrene	10	NA	NA	ND(0.41)	120	1.8
Phenol	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Pronamide	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Pyrene	10	NA	NA	ND(0.41)	170	4.0
Pyridine	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Safrole	ND(0.36)	NA	NA	ND(0.41)	ND(0.38)	ND(0.38)
Thionazin	ND(0.36) J	NA	NA	ND(0.41) J	ND(0.38) J	ND(0.38) J
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G13 3-6 03/28/03	RAA11-G13 4-6 03/28/03	RAA11-G13 10-12 03/28/03	RAA11-G13 10-15 03/28/03	RAA11-G15 0-1 03/28/03	RAA11-G15 1-3 03/28/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.00013 Y	NA	NA	ND(0.000014)	0.000026 J	0.000050 J
TCDFs (total)	0.00087 QJ	NA	NA	ND(0.000014)	0.000012 QJ	0.000038
1,2,3,7,8-PeCDF	0.000074	NA	NA	ND(0.000027)	ND(0.000026) X	0.000022 J
2,3,4,7,8-PeCDF	0.000082	NA	NA	ND(0.000027)	ND(0.000048) X	0.000010 J
PeCDFs (total)	0.00061 QJ	NA	NA	ND(0.000027)	0.000011 QJ	0.000096
1,2,3,4,7,8-HxCDF	0.000044	NA	NA	ND(0.000027)	ND(0.000075) X	ND(0.000030) X
1,2,3,6,7,8-HxCDF	0.000024 J	NA	NA	ND(0.000027)	ND(0.000032) X	0.000033 J
1,2,3,7,8,9-HxCDF	0.0000081 J	NA	NA	ND(0.000027)	0.0000046 J	0.000011 J
2,3,4,6,7,8-HxCDF	0.000030	NA	NA	ND(0.000027)	0.0000042 J	0.000052 J
HxCDFs (total)	0.00032	NA	NA	ND(0.000027)	0.000060	0.000067
1,2,3,4,6,7,8-HpCDF	0.000048	NA	NA	ND(0.000027)	0.000026	0.000087 J
1,2,3,4,7,8,9-HpCDF	0.0000071 J	NA	NA	ND(0.000027)	ND(0.000052) X	0.000012 J
HpCDFs (total)	0.00012	NA	NA	ND(0.000027)	0.000092	0.000021
OCDF	0.000042 J	NA	NA	ND(0.000054)	0.000064	0.000016 J
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000028)	NA	NA	ND(0.000018)	ND(0.000023) X	ND(0.000010)
TCDDs (total)	ND(0.000028)	NA	NA	ND(0.000041)	0.0000047	ND(0.000020)
1,2,3,7,8-PeCDD	ND(0.000028) X	NA	NA	ND(0.000027)	ND(0.000013) X	ND(0.0000088) X
PeCDDs (total)	0.000020 QJ	NA	NA	ND(0.000045)	0.000022 QJ	0.0000082
1,2,3,4,7,8-HxCDD	ND(0.000026)	NA	NA	ND(0.000027)	0.000014 J	ND(0.0000065) X
1,2,3,6,7,8-HxCDD	0.000082 J	NA	NA	ND(0.000027)	0.000075 J	0.000011 J
1,2,3,7,8,9-HxCDD	0.000041 J	NA	NA	ND(0.000027)	0.000034 J	ND(0.000010) X
HxCDDs (total)	0.000064	NA	NA	ND(0.000050)	0.000018	0.000011
1,2,3,4,6,7,8-HpCDD	0.000049	NA	NA	0.000026 J	0.00012	0.000019 J
HpCDDs (total)	0.00017	NA	NA	0.000026	0.00020	0.000038
OCDD	0.00020	NA	NA	ND(0.000077) X	0.00093	0.00018
Total TEQs (WHO TEFs)	0.000074	NA	NA	0.000041	0.000076	0.000082
<b>Inorganics</b>						
Antimony	0.940 B	NA	NA	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	4.60	NA	NA	2.40	4.90	9.30
Barium	20.0	NA	NA	28.0	22.0	72.0
Beryllium	0.170 B	NA	NA	0.290 B	0.260 B	0.200 B
Cadmium	0.260 B	NA	NA	0.150 B	0.180 B	0.340 B
Chromium	5.50	NA	NA	8.00	5.50	8.30
Cobalt	5.90	NA	NA	7.10	5.80	10.0
Copper	16.0	NA	NA	9.60	14.0	40.0
Cyanide	ND(0.220)	NA	NA	ND(0.120)	ND(0.110)	ND(0.120)
Lead	21.0	NA	NA	4.20	22.0	110
Mercury	0.0280 B	NA	NA	ND(0.120)	ND(0.110)	0.390
Nickel	11.0	NA	NA	11.0	12.0	13.0
Selenium	ND(1.00) J	NA	NA	ND(1.00) J	0.980 J	1.10 J
Silver	ND(1.00)	NA	NA	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	50.0	NA	NA	18.0	ND(5.70)	9.20
Thallium	ND(1.10) J	NA	NA	ND(1.20) J	ND(1.10) J	ND(1.20) J
Tin	ND(10.0)	NA	NA	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	7.00	NA	NA	8.20	7.10	9.10
Zinc	37.0	NA	NA	41.0	39.0	76.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G15 3-4 03/28/03	RAA11-G15 3-6 03/28/03	RAA11-G15 6-10 03/28/03	RAA11-G21 0-1 04/08/03	RAA11-G21 6-10 04/08/03	RAA11-G21 8-10 04/08/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,1,1-Trichloroethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,1,2,2-Tetrachloroethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,1,2-Trichloroethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,1-Dichloroethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,1-Dichloroethene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,2,3-Trichloropropane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,2-Dibromo-3-chloropropane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,2-Dibromoethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,2-Dichloroethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,2-Dichloropropane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
1,4-Dioxane	ND(0.11) J	NA	NA	ND(0.12) J	NA	ND(0.12) J
2-Butanone	ND(0.011)	NA	NA	ND(0.012) J	NA	ND(0.012) J
2-Chloro-1,3-butadiene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
2-Chloroethylvinylether	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
2-Hexanone	ND(0.011)	NA	NA	ND(0.012)	NA	ND(0.012)
3-Chloropropene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
4-Methyl-2-pentanone	ND(0.011)	NA	NA	ND(0.012) J	NA	ND(0.012) J
Acetone	ND(0.022)	NA	NA	ND(0.023)	NA	ND(0.024)
Acetonitrile	ND(0.11) J	NA	NA	ND(0.12) J	NA	ND(0.12) J
Acrolein	ND(0.11) J	NA	NA	ND(0.12) J	NA	ND(0.12) J
Acrylonitrile	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Benzene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Bromodichloromethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Bromoform	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Bromomethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Carbon Disulfide	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Carbon Tetrachloride	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Chlorobenzene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Chloroethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Chloroform	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Chloromethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
cis-1,3-Dichloropropene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Dibromochloromethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Dibromomethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Dichlorodifluoromethane	ND(0.0054)	NA	NA	ND(0.0058) J	NA	ND(0.0060) J
Ethyl Methacrylate	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Ethylbenzene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Iodomethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Isobutanol	ND(0.11) J	NA	NA	ND(0.12)	NA	ND(0.12)
Methacrylonitrile	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Methyl Methacrylate	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Methylene Chloride	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Propionitrile	ND(0.011) J	NA	NA	ND(0.012) J	NA	ND(0.012) J
Styrene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Tetrachloroethene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Toluene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
trans-1,2-Dichloroethene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
trans-1,3-Dichloropropene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
trans-1,4-Dichloro-2-butene	ND(0.0054)	NA	NA	ND(0.0058) J	NA	ND(0.0060) J
Trichloroethene	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Trichlorofluoromethane	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Vinyl Acetate	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Vinyl Chloride	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
Xylenes (total)	ND(0.0054)	NA	NA	ND(0.0058)	NA	ND(0.0060)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.37) J	NA	ND(0.38)	ND(0.38)	NA
1,2,4-Trichlorobenzene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
1,2-Dichlorobenzene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
1,2-Diphenylhydrazine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
1,3,5-Trinitrobenzene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
1,3-Dichlorobenzene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
1,3-Dinitrobenzene	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
1,4-Dichlorobenzene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
1,4-Naphthoquinone	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G15 3-4 03/28/03	RAA11-G15 3-6 03/28/03	RAA11-G15 6-10 03/28/03	RAA11-G21 0-1 04/08/03	RAA11-G21 6-10 04/08/03	RAA11-G21 8-10 04/08/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
2,3,4,6-Tetrachlorophenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2,4,5-Trichlorophenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2,4,6-Trichlorophenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2,4-Dichlorophenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2,4-Dimethylphenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2,4-Dinitrotoluene	NA	ND(1.9) J	NA	ND(2.0) J	ND(2.0) J	NA
2,4-Dinitrotoluene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2,6-Dichlorophenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2,6-Dinitrotoluene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2-Acetylaminofluorene	NA	ND(0.75)	NA	ND(0.77) J	ND(0.77) J	NA
2-Chloronaphthalene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2-Chlorophenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2-Methylnaphthalene	NA	ND(0.37)	NA	ND(0.38)	0.26 J	NA
2-Methylphenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
2-Naphthylamine	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
2-Nitroaniline	NA	ND(1.9)	NA	ND(2.0)	ND(2.0)	NA
2-Nitrophenol	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
2-Picoline	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
3&4-Methylphenol	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
3,3'-Dichlorobenzidine	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
3,3'-Dimethylbenzidine	NA	ND(0.37) J	NA	ND(0.38)	ND(0.38)	NA
3-Methylcholanthrene	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
3-Nitroaniline	NA	ND(1.9)	NA	ND(2.0)	ND(2.0)	NA
4,6-Dinitro-2-methylphenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
4-Aminobiphenyl	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
4-Bromophenyl-phenylether	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
4-Chloro-3-Methylphenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
4-Chloroaniline	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
4-Chlorobenzilate	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
4-Chlorophenyl-phenylether	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
4-Nitroaniline	NA	ND(1.9)	NA	ND(2.0)	ND(2.0)	NA
4-Nitrophenol	NA	ND(1.9)	NA	ND(2.0)	ND(2.0)	NA
4-Nitroquinoline-1-oxide	NA	ND(0.75) J	NA	ND(0.77)	ND(0.77)	NA
4-Phenylenediamine	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
5-Nitro-o-toluidine	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
7,12-Dimethylbenz(a)anthracene	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
a,a'-Dimethylphenethylamine	NA	ND(0.75) J	NA	ND(0.77)	ND(0.77)	NA
Acenaphthene	NA	0.37 J	NA	ND(0.38)	0.25 J	NA
Acenaphthylene	NA	0.49	NA	ND(0.38)	0.33 J	NA
Acetophenone	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Aniline	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Anthracene	NA	1.4	NA	ND(0.38)	0.96	NA
Aramite	NA	ND(0.75)	NA	ND(0.77) J	ND(0.77) J	NA
Benzidine	NA	ND(0.75) J	NA	ND(0.77)	ND(0.77)	NA
Benzo(a)anthracene	NA	3.3	NA	0.12 J	2.3	NA
Benzo(a)pyrene	NA	2.5	NA	0.080 J	1.6	NA
Benzo(b)fluoranthene	NA	2.4	NA	ND(0.38)	1.8	NA
Benzo(g,h,i)perylene	NA	1.4	NA	ND(0.38)	0.82	NA
Benzo(k)fluoranthene	NA	1.9	NA	ND(0.38)	0.77	NA
Benzyl Alcohol	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
bis(2-Chloroethoxy)methane	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
bis(2-Chloroethyl)ether	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
bis(2-Chloroisopropyl)ether	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
bis(2-Ethylhexyl)phthalate	NA	0.22 J	NA	ND(0.38)	ND(0.38)	NA
Butylbenzylphthalate	NA	0.29 J	NA	ND(0.38)	ND(0.38)	NA
Chrysene	NA	2.9	NA	ND(0.38)	1.8	NA
Diallate	NA	ND(0.75) J	NA	ND(0.77)	ND(0.77)	NA
Dibenzo(a,h)anthracene	NA	0.58	NA	ND(0.38)	0.28 J	NA
Dibenzofuran	NA	0.40	NA	ND(0.38)	0.22 J	NA
Diethylphthalate	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Dimethylphthalate	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Di-n-Butylphthalate	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Di-n-Octylphthalate	NA	ND(0.37)	NA	ND(0.38) J	ND(0.38) J	NA
Diphenylamine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G15 3-4 03/28/03	RAA11-G15 3-6 03/28/03	RAA11-G15 6-10 03/28/03	RAA11-G21 0-1 04/08/03	RAA11-G21 6-10 04/08/03	RAA11-G21 8-10 04/08/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	NA	ND(0.37)	NA	ND(0.38) J	ND(0.38) J	NA
Fluoranthene	NA	7.3	NA	0.39	5.4	NA
Fluorene	NA	0.71	NA	ND(0.38)	0.70	NA
Hexachlorobenzene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Hexachlorobutadiene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Hexachlorocyclopentadiene	NA	ND(0.37)	NA	ND(0.38) J	ND(0.38) J	NA
Hexachloroethane	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Hexachlorophene	NA	ND(0.75) J	NA	ND(0.77) J	ND(0.77) J	NA
Hexachloropropene	NA	ND(0.37) J	NA	ND(0.38)	ND(0.38)	NA
Indeno(1,2,3-cd)pyrene	NA	1.3	NA	ND(0.38)	0.73	NA
Isodrin	NA	ND(0.37) J	NA	ND(0.38)	ND(0.38)	NA
Isophorone	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Isosafrole	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
Methapyrilene	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
Methyl Methanesulfonate	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Naphthalene	NA	0.24 J	NA	ND(0.38)	0.31 J	NA
Nitrobenzene	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
N-Nitrosodiethylamine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
N-Nitrosodimethylamine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
N-Nitroso-di-n-butylamine	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
N-Nitroso-di-n-propylamine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
N-Nitrosodiphenylamine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
N-Nitrosomethylethylamine	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
N-Nitrosomorpholine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
N-Nitrosopiperidine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
N-Nitrosopyrrolidine	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
o,o,o-Triethylphosphorothioate	NA	ND(0.37) J	NA	ND(0.38)	ND(0.38)	NA
o-Toluidine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
p-Dimethylaminoazobenzene	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
Pentachlorobenzene	NA	ND(0.37) J	NA	ND(0.38) J	ND(0.38) J	NA
Pentachloroethane	NA	ND(0.37) J	NA	ND(0.38)	ND(0.38)	NA
Pentachloronitrobenzene	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
Pentachlorophenol	NA	ND(1.9)	NA	ND(2.0)	ND(2.0)	NA
Phenacetin	NA	ND(0.75)	NA	ND(0.77)	ND(0.77)	NA
Phenanthrene	NA	6.4	NA	0.24 J	5.0	NA
Phenol	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Pronamide	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Pyrene	NA	6.5	NA	ND(0.38)	5.3	NA
Pyridine	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Safrole	NA	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA
Thionazin	NA	ND(0.37) J	NA	ND(0.38)	ND(0.38)	NA
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	ND(0.12)	ND(0.016)	NA
4,4'-DDE	NA	NA	NA	ND(0.12)	ND(0.016)	NA
4,4'-DDT	NA	NA	NA	ND(0.12)	ND(0.016)	NA
Aldrin	NA	NA	NA	ND(0.058)	0.014	NA
Alpha-BHC	NA	NA	NA	ND(0.058)	ND(0.0080)	NA
Alpha-Chlordane	NA	NA	NA	ND(0.058)	0.037	NA
Beta-BHC	NA	NA	NA	ND(0.058)	ND(0.0080)	NA
Delta-BHC	NA	NA	NA	ND(0.058)	ND(0.0080)	NA
Dieldrin	NA	NA	NA	ND(0.12)	ND(0.016)	NA
Endosulfan I	NA	NA	NA	ND(0.12)	ND(0.016)	NA
Endosulfan II	NA	NA	NA	ND(0.12)	ND(0.016)	NA
Endosulfan Sulfate	NA	NA	NA	ND(0.12)	ND(0.016)	NA
Endrin	NA	NA	NA	ND(0.12)	ND(0.016)	NA
Endrin Aldehyde	NA	NA	NA	ND(0.12)	ND(0.016)	NA
Endrin Ketone	NA	NA	NA	ND(0.12)	ND(0.016)	NA
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.058)	ND(0.0080)	NA
Gamma-Chlordane	NA	NA	NA	ND(0.058)	ND(0.0080)	NA
Heptachlor	NA	NA	NA	ND(0.058)	ND(0.0080)	NA
Heptachlor Epoxide	NA	NA	NA	ND(0.058)	ND(0.0080)	NA
Kepone	NA	NA	NA	ND(0.38)	ND(0.38)	NA
Methoxychlor	NA	NA	NA	ND(0.58)	ND(0.080)	NA
Technical Chlordane	NA	NA	NA	ND(0.96)	0.037 J	NA
Toxaphene	NA	NA	NA	ND(0.96)	ND(0.18)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G15 3-4 03/28/03	RAA11-G15 3-6 03/28/03	RAA11-G15 6-10 03/28/03	RAA11-G21 0-1 04/08/03	RAA11-G21 6-10 04/08/03	RAA11-G21 8-10 04/08/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	ND(2.0)	ND(2.0)	NA
Disulfoton	NA	NA	NA	ND(0.77)	ND(0.77)	NA
Ethyl Parathion	NA	NA	NA	ND(0.77)	ND(0.77)	NA
Famphur	NA	NA	NA	ND(0.38)	ND(0.38)	NA
Methyl Parathion	NA	NA	NA	ND(0.77)	ND(0.77)	NA
Phorate	NA	NA	NA	ND(0.77)	ND(0.77)	NA
Sulfotep	NA	NA	NA	ND(0.77)	ND(0.77)	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	ND(0.37)	ND(0.37)	NA
2,4,5-TP	NA	NA	NA	ND(0.37)	ND(0.37)	NA
2,4-D	NA	NA	NA	ND(0.80)	ND(0.80)	NA
Dinoseb	NA	NA	NA	ND(0.38)	ND(0.38)	NA
<b>Furans</b>						
2,3,7,8-TCDF	NA	0.000020 Y	0.000070 J	0.000060 J	0.000022 Y	NA
TCDFs (total)	NA	0.00015	0.000056	0.000036	0.00020 QJ	NA
1,2,3,7,8-PeCDF	NA	0.000011 J	ND(0.000032) X	ND(0.000019) X	0.000065 QJ	NA
2,3,4,7,8-PeCDF	NA	0.000025 J	0.000010 J	0.000055 J	0.000027 QJ	NA
PeCDFs (total)	NA	0.00022	0.000095	0.000056	0.00031 QJ	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.000026) X	ND(0.000076) X	0.000041 J	0.000012 J	NA
1,2,3,6,7,8-HxCDF	NA	0.000015 J	0.0000051 J	0.000032 J	0.0000087 J	NA
1,2,3,7,8,9-HxCDF	NA	0.0000050 J	0.0000018 J	ND(0.000028)	0.0000031 J	NA
2,3,4,6,7,8-HxCDF	NA	0.000017 J	0.0000081 J	ND(0.000045) X	0.000016 J	NA
HxCDFs (total)	NA	0.00021	0.00013	0.000056	0.00022	NA
1,2,3,4,6,7,8-HpCDF	NA	0.000059	0.000059	0.000020 J	0.000032	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.000073) X	0.0000034 J	0.000036 J	0.000044 J	NA
HpCDFs (total)	NA	0.00011	0.00022	0.000065	0.000078	NA
OCDF	NA	0.000068	0.00025	0.000034 J	0.000044 J	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	NA	ND(0.000012) X	ND(0.000011) X	ND(0.000015)	ND(0.000021)	NA
TCDDs (total)	NA	ND(0.000024)	ND(0.000024)	ND(0.000015)	ND(0.000021) QJ	NA
1,2,3,7,8-PeCDD	NA	0.000014 J	ND(0.000017) X	ND(0.000016) X	ND(0.000026) XJ	NA
PeCDDs (total)	NA	0.000028	0.0000048	0.000018 QJ	0.000014 QJ	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.0000086) X	ND(0.0000091) X	ND(0.000028)	ND(0.000027)	NA
1,2,3,6,7,8-HxCDD	NA	0.000092 J	0.000066 J	ND(0.000039) X	0.000033 J	NA
1,2,3,7,8,9-HxCDD	NA	0.000046 J	0.000022 J	0.000025 J	0.000022 J	NA
HxCDDs (total)	NA	0.00067	0.00049	0.00010	0.00016	NA
1,2,3,4,6,7,8-HpCDD	NA	0.000078	0.00022	0.00015	0.000037	NA
HpCDDs (total)	NA	0.00017	0.00061	0.0011	0.000075	NA
OCDD	NA	0.00055	0.0022	0.00062	0.00029	NA
Total TEQs (WHO TEFs)	NA	0.000025	0.000013	0.0000084	0.000024	NA
<b>Inorganics</b>						
Antimony	NA	ND(6.00)	NA	ND(6.00)	1.70 B	NA
Arsenic	NA	5.90	NA	5.80	5.70	NA
Barium	NA	55.0	NA	28.0	41.0	NA
Beryllium	NA	0.230 B	NA	0.170 B	0.230 B	NA
Cadmium	NA	0.490 B	NA	0.360 B	0.610	NA
Chromium	NA	8.60	NA	6.00	6.30	NA
Cobalt	NA	8.00	NA	6.10	8.80	NA
Copper	NA	38.0	NA	28.0	54.0	NA
Cyanide	NA	ND(0.110)	NA	0.0880 B	0.0770 B	NA
Lead	NA	110	NA	84.0	130	NA
Mercury	NA	0.340	NA	0.170	0.260	NA
Nickel	NA	14.0	NA	12.0	14.0	NA
Selenium	NA	ND(1.00) J	NA	ND(1.00) J	ND(1.00) J	NA
Silver	NA	0.360 B	NA	ND(1.00)	ND(1.00)	NA
Sulfide	NA	40.0	NA	24.0	40.0	NA
Thallium	NA	ND(1.10) J	NA	ND(1.20) J	ND(1.20) J	NA
Tin	NA	ND(10.0)	NA	ND(10.0)	ND(10.0)	NA
Vanadium	NA	8.50	NA	12.0	7.30	NA
Zinc	NA	94.0	NA	80.0	120	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G23 0-1 04/08/03	RAA11-G25 0-1 04/02/03	RAA11-G25 6-10 04/02/03	RAA11-G25 8-10 04/02/03	RAA11-G25 10-15 04/02/03	RAA11-G25 14-15 04/02/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,1,1-Trichloroethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,1,2,2-Tetrachloroethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,1,2-Trichloroethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,1-Dichloroethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,1-Dichloroethene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,2,3-Trichloropropane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,2-Dibromo-3-chloropropane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,2-Dibromoethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,2-Dichloroethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,2-Dichloropropane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
1,4-Dioxane	ND(0.11) J	ND(0.11) J	NA	ND(0.21) J	NA	ND(0.12) J
2-Butanone	ND(0.011) J	0.014	NA	ND(0.021)	NA	ND(0.012)
2-Chloro-1,3-butadiene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
2-Chloroethylvinylether	ND(0.0056)	ND(0.0057) J	NA	ND(0.011) J	NA	ND(0.0062) J
2-Hexanone	ND(0.011)	ND(0.011)	NA	ND(0.021)	NA	ND(0.012)
3-Chloropropene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
4-Methyl-2-pentanone	ND(0.011) J	ND(0.011) J	NA	ND(0.021) J	NA	ND(0.012) J
Acetone	ND(0.022)	0.017 J	NA	ND(0.043)	NA	ND(0.025)
Acetonitrile	ND(0.11) J	ND(0.11) J	NA	ND(0.21) J	NA	ND(0.12) J
Acrolein	ND(0.11) J	ND(0.11) J	NA	ND(0.21) J	NA	ND(0.12) J
Acrylonitrile	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Benzene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Bromodichloromethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Bromoform	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Bromomethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Carbon Disulfide	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Carbon Tetrachloride	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Chlorobenzene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Chloroethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Chloroform	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Chloromethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
cis-1,3-Dichloropropene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Dibromochloromethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Dibromomethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Dichlorodifluoromethane	ND(0.0056) J	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Ethyl Methacrylate	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Ethylbenzene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Iodomethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Isobutanol	ND(0.11)	ND(0.11) J	NA	ND(0.21) J	NA	ND(0.12) J
Methacrylonitrile	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Methyl Methacrylate	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Methylene Chloride	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Propionitrile	ND(0.011) J	ND(0.011) J	NA	ND(0.021) J	NA	ND(0.012) J
Styrene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Tetrachloroethene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Toluene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
trans-1,2-Dichloroethene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
trans-1,3-Dichloropropene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
trans-1,4-Dichloro-2-butene	ND(0.0056) J	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Trichloroethene	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Trichlorofluoromethane	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Vinyl Acetate	ND(0.0056)	ND(0.0057) J	NA	ND(0.011) J	NA	ND(0.0062) J
Vinyl Chloride	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
Xylenes (total)	ND(0.0056)	ND(0.0057)	NA	ND(0.011)	NA	ND(0.0062)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
1,2,4-Trichlorobenzene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
1,2-Dichlorobenzene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
1,2-Diphenylhydrazine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
1,3,5-Trinitrobenzene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
1,3-Dichlorobenzene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
1,3-Dinitrobenzene	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
1,4-Dichlorobenzene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
1,4-Naphthoquinone	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G23 0-1 04/08/03	RAA11-G25 0-1 04/02/03	RAA11-G25 6-10 04/02/03	RAA11-G25 8-10 04/02/03	RAA11-G25 10-15 04/02/03	RAA11-G25 14-15 04/02/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
2,3,4,6-Tetrachlorophenol	ND(0.37)	ND(0.38) J	ND(0.43) J	NA	ND(0.41) J	NA
2,4,5-Trichlorophenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2,4,6-Trichlorophenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2,4-Dichlorophenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2,4-Dimethylphenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2,4-Dinitrophenol	ND(1.9) J	ND(2.0) J	ND(2.2) J	NA	ND(2.1) J	NA
2,4-Dinitrotoluene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2,6-Dichlorophenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2,6-Dinitrotoluene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2-Acetylaminofluorene	ND(0.74) J	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
2-Chloronaphthalene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2-Chlorophenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2-Methylnaphthalene	ND(0.37)	ND(0.38)	0.36 J	NA	0.66	NA
2-Methylphenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
2-Naphthylamine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
2-Nitroaniline	ND(1.9)	ND(2.0)	ND(2.2)	NA	ND(2.1)	NA
2-Nitrophenol	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
2-Picoline	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
3&4-Methylphenol	ND(0.74)	0.14 J	ND(0.86)	NA	ND(0.82)	NA
3,3'-Dichlorobenzidine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
3,3'-Dimethylbenzidine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
3-Methylcholanthrene	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
3-Nitroaniline	ND(1.9)	ND(2.0)	ND(2.2)	NA	ND(2.1)	NA
4,6-Dinitro-2-methylphenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
4-Aminobiphenyl	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
4-Bromophenyl-phenylether	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
4-Chloro-3-Methylphenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
4-Chloroaniline	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
4-Chlorobenzilate	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
4-Chlorophenyl-phenylether	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
4-Nitroaniline	ND(1.9)	ND(2.0)	ND(2.2)	NA	ND(2.1)	NA
4-Nitrophenol	ND(1.9)	ND(2.0)	ND(2.2)	NA	ND(2.1)	NA
4-Nitroquinoline-1-oxide	ND(0.74)	ND(0.77)	5.6	NA	ND(0.82)	NA
4-Phenylenediamine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
5-Nitro-o-toluidine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
7,12-Dimethylbenz(a)anthracene	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
a,a'-Dimethylphenethylamine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
Acenaphthene	ND(0.37)	0.11 J	0.77	NA	1.3	NA
Acenaphthylene	ND(0.37)	0.33 J	0.84	NA	1.6	NA
Acetophenone	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Aniline	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Anthracene	ND(0.37)	0.42	4.8	NA	3.9	NA
Aramite	ND(0.74) J	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
Benzidine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
Benzo(a)anthracene	ND(0.37)	2.6	17	NA	13	NA
Benzo(a)pyrene	0.14 J	2.9	8.2	NA	9.9	NA
Benzo(b)fluoranthene	0.17 J	2.3	6.9	NA	13	NA
Benzo(g,h,i)perylene	0.13 J	2.0	4.1	NA	5.7	NA
Benzo(k)fluoranthene	ND(0.37)	2.5	6.9	NA	5.5	NA
Benzyl Alcohol	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
bis(2-Chloroethoxy)methane	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
bis(2-Chloroethyl)ether	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
bis(2-Chloroisopropyl)ether	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(0.38)	ND(0.42)	NA	ND(0.40)	NA
Butylbenzylphthalate	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Chrysene	ND(0.37)	3.1	14	NA	12	NA
Diallyl	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
Dibenzo(a,h)anthracene	ND(0.37)	0.80	1.5	NA	2.5	NA
Dibenzofuran	ND(0.37)	ND(0.38)	0.76	NA	1.0	NA
Diethylphthalate	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Dimethylphthalate	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Di-n-Butylphthalate	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Di-n-Octylphthalate	ND(0.37) J	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Diphenylamine	ND(0.37)	ND(0.38) J	ND(0.43) J	NA	ND(0.41) J	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G23 0-1 04/08/03	RAA11-G25 0-1 04/02/03	RAA11-G25 6-10 04/02/03	RAA11-G25 8-10 04/02/03	RAA11-G25 10-15 04/02/03	RAA11-G25 14-15 04/02/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.37) J	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Fluoranthene	0.30 J	4.6	43	NA	26	NA
Fluorene	ND(0.37)	0.14 J	2.5	NA	3.4	NA
Hexachlorobenzene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Hexachlorobutadiene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Hexachlorocyclopentadiene	ND(0.37) J	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Hexachloroethane	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Hexachlorophene	ND(0.74) J	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
Hexachloropropene	ND(0.37)	ND(0.38) J	ND(0.43) J	NA	ND(0.41) J	NA
Indeno(1,2,3-cd)pyrene	ND(0.37)	1.8	4.0	NA	5.4	NA
Isodrin	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Isophorone	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Isosafrole	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
Methapyrilene	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
Methyl Methanesulfonate	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Naphthalene	ND(0.37)	0.13 J	0.53	NA	0.92	NA
Nitrobenzene	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
N-Nitrosodiethylamine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
N-Nitrosodimethylamine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
N-Nitroso-di-n-butylamine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
N-Nitroso-di-n-propylamine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
N-Nitrosodiphenylamine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
N-Nitrosomethylethylamine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
N-Nitrosomorpholine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
N-Nitrosopiperidine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
N-Nitrosopyrrolidine	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
o,o,o-Triethylphosphorothioate	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
o-Toluidine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
p-Dimethylaminoazobenzene	ND(0.74)	ND(0.77) J	ND(0.86) J	NA	ND(0.82) J	NA
Pentachlorobenzene	ND(0.37) J	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Pentachloroethane	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Pentachloronitrobenzene	ND(0.74)	ND(0.77) J	ND(0.86) J	NA	ND(0.82) J	NA
Pentachlorophenol	ND(1.9)	ND(2.0)	ND(2.2)	NA	ND(2.1)	NA
Phenacetin	ND(0.74)	ND(0.77)	ND(0.86)	NA	ND(0.82)	NA
Phenanthrene	0.15 J	2.2	25	NA	23	NA
Phenol	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Pronamide	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Pyrene	0.31 J	5.1	34	NA	30	NA
Pyridine	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Safrole	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
Thionazin	ND(0.37)	ND(0.38)	ND(0.43)	NA	ND(0.41)	NA
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G23 0-1 04/08/03	RAA11-G25 0-1 04/02/03	RAA11-G25 6-10 04/02/03	RAA11-G25 8-10 04/02/03	RAA11-G25 10-15 04/02/03	RAA11-G25 14-15 04/02/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000028 J	0.000042 Y	0.00019 Y	NA	0.000087 Y	NA
TCDFs (total)	0.000059	0.00047 QJ	0.0028 QJ	NA	0.0014 QJ	NA
1,2,3,7,8-PeCDF	ND(0.000012) X	0.000017 J	0.000046	NA	0.000024 J	NA
2,3,4,7,8-PeCDF	0.000022 J	0.000065	0.00037	NA	0.00010	NA
PeCDFs (total)	0.000019	0.00078 QJ	0.0041 QJ	NA	0.0010 QJ	NA
1,2,3,4,7,8-HxCDF	ND(0.000011) X	0.000049	0.000063	NA	0.000038	NA
1,2,3,6,7,8-HxCDF	ND(0.000026)	0.000036	0.000076	NA	ND(0.000030) X	NA
1,2,3,7,8,9-HxCDF	ND(0.000026)	0.000010 J	0.000021 J	NA	0.0000095 J	NA
2,3,4,6,7,8-HxCDF	ND(0.000013) X	0.000062	0.00019	NA	0.000082	NA
HxCDFs (total)	ND(0.000026)	0.00086	0.0025	NA	0.0011	NA
1,2,3,4,6,7,8-HpCDF	0.0000037 J	0.000099	0.00014	NA	0.000082	NA
1,2,3,4,7,8,9-HpCDF	ND(0.000026)	0.000016 J	0.000015 J	NA	0.000013 J	NA
HpCDFs (total)	0.000086	0.00023	0.00033	NA	0.00022	NA
OCDF	ND(0.000074) X	0.000081	0.000056 J	NA	0.000064	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000011)	ND(0.000018) X	ND(0.000034) X	NA	ND(0.000029)	NA
TCDDs (total)	ND(0.000016)	ND(0.000043)	0.000030	NA	ND(0.000029)	NA
1,2,3,7,8-PeCDD	ND(0.000026)	ND(0.000046) X	ND(0.000081) X	NA	ND(0.000048) X	NA
PeCDDs (total)	ND(0.000031) QJ	0.000017	0.000085	NA	0.000023	NA
1,2,3,4,7,8-HxCDD	ND(0.000026)	ND(0.000030)	0.000042 J	NA	ND(0.000042) X	NA
1,2,3,6,7,8-HxCDD	ND(0.000026)	0.000053 J	0.000013 J	NA	0.000066 J	NA
1,2,3,7,8,9-HxCDD	ND(0.000026)	0.000035 J	ND(0.000082) X	NA	0.000052 J	NA
HxCDDs (total)	ND(0.000042)	0.000021	0.00012	NA	0.000045	NA
1,2,3,4,6,7,8-HpCDD	ND(0.000066) X	0.000048	0.000039	NA	0.000034	NA
HpCDDs (total)	ND(0.000026)	0.00012	0.000080	NA	0.000065	NA
OCDD	ND(0.000044)	0.00039	0.00016	NA	0.00016	NA
Total TEQs (WHO TEFs)	0.000041	0.000059	0.00025	NA	0.000081	NA
<b>Inorganics</b>						
Antimony	ND(6.00)	ND(6.0)	ND(6.0)	NA	ND(6.00)	NA
Arsenic	4.60	6.80	8.90	NA	8.20	NA
Barium	36.0	48.0	40.0	NA	53.0	NA
Beryllium	0.150 B	0.270 B	0.140 B	NA	0.160 B	NA
Cadmium	0.310 B	1.10	0.770	NA	0.810	NA
Chromium	5.00	12.0	4.60	NA	5.80	NA
Cobalt	5.90	7.00	5.10	NA	7.60	NA
Copper	17.0	42.0	33.0	NA	35.0	NA
Cyanide	0.0880 B	0.0930 B	0.180	NA	0.100 B	NA
Lead	47.0	90.0	160	NA	170	NA
Mercury	0.0970 B	0.230	0.380	NA	0.160	NA
Nickel	10.0	13.0	7.60	NA	10.0	NA
Selenium	ND(1.00) J	0.590 B	ND(1.00)	NA	ND(1.00)	NA
Silver	ND(1.00)	ND(1.00)	ND(1.00)	NA	ND(1.00)	NA
Sulfide	18.0	11.0	100	NA	150	NA
Thallium	ND(1.10) J	1.30 J	ND(1.30) J	NA	ND(1.20) J	NA
Tin	ND(10.0)	ND(10.0)	ND(15.0)	NA	ND(10.0)	NA
Vanadium	9.20	12.0	4.30 B	NA	5.50 B	NA
Zinc	48.0	100	130	NA	79.0	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G27 0-1 04/03/03	RAA11-G27 1-3 04/03/03	RAA11-G27 3-6 04/03/03	RAA11-G27 4-6 04/03/03
<b>Volatle Organics</b>				
1,1,1,2-Tetrachloroethane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,1,1-Trichloroethane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,1,2,2-Tetrachloroethane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,1,2-Trichloroethane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,1-Dichloroethane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,1-Dichloroethene	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,2,3-Trichloropropane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,2-Dibromo-3-chloropropane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,2-Dibromoethane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,2-Dichloroethane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,2-Dichloropropane	ND(0.0061)	ND(0.0058)	NA	ND(0.0073) [ND(0.0064) J]
1,4-Dioxane	ND(0.12) J	ND(0.12) J	NA	ND(0.15) J [ND(0.13) J]
2-Butanone	ND(0.012) J	ND(0.012) J	NA	ND(0.015) J [ND(0.013) J]
2-Chloro-1,3-butadiene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
2-Chloroethylvinylether	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) J [ND(0.0064) J]
2-Hexanone	ND(0.012) J	ND(0.012) J	NA	ND(0.015) [ND(0.013) J]
3-Chloropropene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
4-Methyl-2-pentanone	ND(0.012) J	ND(0.012) J	NA	ND(0.015) [ND(0.013) J]
Acetone	ND(0.024) J	ND(0.023) J	NA	ND(0.029) [ND(0.026) J]
Acetonitrile	ND(0.12) J	ND(0.12) J	NA	ND(0.15) J [ND(0.13) J]
Acrolein	ND(0.12) J	ND(0.12) J	NA	ND(0.15) J [ND(0.13) J]
Acrylonitrile	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) J [ND(0.0064) J]
Benzene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Bromodichloromethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Bromoform	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Bromomethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Carbon Disulfide	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Carbon Tetrachloride	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Chlorobenzene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Chloroethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Chloroform	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Chloromethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
cis-1,3-Dichloropropene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Dibromochloromethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Dibromomethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Dichlorodifluoromethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Ethyl Methacrylate	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Ethylbenzene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Iodomethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Isobutanol	ND(0.12) J	ND(0.12) J	NA	ND(0.15) J [ND(0.13) J]
Methacrylonitrile	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Methyl Methacrylate	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Methylene Chloride	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Propionitrile	ND(0.012) J	ND(0.012) J	NA	ND(0.015) J [ND(0.013) J]
Styrene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Tetrachloroethene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Toluene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
trans-1,2-Dichloroethene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
trans-1,3-Dichloropropene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
trans-1,4-Dichloro-2-butene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Trichloroethene	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Trichlorofluoromethane	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Vinyl Acetate	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) J [ND(0.0064) J]
Vinyl Chloride	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
Xylenes (total)	ND(0.0061) J	ND(0.0058) J	NA	ND(0.0073) [ND(0.0064) J]
<b>Semivolatle Organics</b>				
1,2,4,5-Tetrachlorobenzene	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
1,2,4-Trichlorobenzene	ND(0.41)	ND(0.39) J	ND(0.44) [ND(0.43)]	NA
1,2-Dichlorobenzene	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
1,2-Diphenylhydrazine	ND(0.41)	ND(0.39) J	ND(0.44) J [ND(0.43)]	NA
1,3,5-Trinitrobenzene	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
1,3-Dichlorobenzene	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
1,3-Dinitrobenzene	ND(0.82)	ND(0.78) J	ND(0.88) J [ND(0.86)]	NA
1,4-Dichlorobenzene	ND(0.41)	ND(0.39) J	ND(0.44) [ND(0.43)]	NA
1,4-Naphthoquinone	ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G27 0-1 04/03/03	RAA11-G27 1-3 04/03/03	RAA11-G27 3-6 04/03/03	RAA11-G27 4-6 04/03/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
2,3,4,6-Tetrachlorophenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2,4,5-Trichlorophenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2,4,6-Trichlorophenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2,4-Dichlorophenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2,4-Dimethylphenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2,4-Dinitrophenol		66	ND(2.0) J	ND(2.2) J [ND(2.2) J]	NA
2,4-Dinitrotoluene		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2,6-Dichlorophenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2,6-Dinitrotoluene		ND(0.41) J	ND(0.39) J	ND(0.44) J [ND(0.43) J]	NA
2-Acetylaminofluorene		ND(0.82)	ND(0.78)	ND(0.88) [ND(2.1)]	NA
2-Chloronaphthalene		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2-Chlorophenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2-Methylnaphthalene		ND(0.41)	ND(0.39)	0.11 J [0.13 J]	NA
2-Methylphenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
2-Naphthylamine		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
2-Nitroaniline		ND(2.1) J	ND(2.0) J	ND(2.2) J [ND(2.2) J]	NA
2-Nitrophenol		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
2-Picoline		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
3&4-Methylphenol		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
3,3'-Dichlorobenzidine		ND(0.82) J	ND(0.78) J	ND(0.88) J [ND(4.3)]	NA
3,3'-Dimethylbenzidine		ND(0.41)	ND(0.39)	ND(0.44) [ND(2.1)]	NA
3-Methylcholanthrene		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
3-Nitroaniline		ND(2.1) J	ND(2.0) J	ND(2.2) J [ND(2.2) J]	NA
4,6-Dinitro-2-methylphenol		ND(0.41) J	ND(0.39) J	ND(0.44) J [ND(0.43) J]	NA
4-Aminobiphenyl		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
4-Bromophenyl-phenylether		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
4-Chloro-3-Methylphenol		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
4-Chloroaniline		ND(0.41) J	ND(0.39) J	ND(0.44) J [ND(0.43) J]	NA
4-Chlorobenzilate		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
4-Chlorophenyl-phenylether		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
4-Nitroaniline		ND(2.1) J	ND(2.0) J	ND(2.2) J [ND(2.2) J]	NA
4-Nitrophenol		ND(2.1) J	ND(2.0) J	ND(2.2) J [ND(2.2) J]	NA
4-Nitroquinoline-1-oxide		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
4-Phenylenediamine		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
5-Nitro-o-toluidine		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
7,12-Dimethylbenz(a)anthracene		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
a,a'-Dimethylphenethylamine		ND(0.82)	ND(0.78) J	ND(0.88) J [ND(0.86)]	NA
Acenaphthene		ND(0.41)	ND(0.39) J	0.12 J [0.16 J]	NA
Acenaphthylene		ND(0.41)	0.23 J	0.21 J [0.18 J]	NA
Acetophenone		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Aniline		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Anthracene		0.60	0.37 J	0.55 [0.60]	NA
Aramite		ND(0.82)	ND(0.78)	ND(0.88) [ND(2.1)]	NA
Benzidine		ND(0.82)	ND(0.78)	ND(0.88) [ND(4.3)]	NA
Benzo(a)anthracene		1.4	1.8	2.9 [3]	NA
Benzo(a)pyrene		0.89	1.7	2.8 [3.0 J]	NA
Benzo(b)fluoranthene		0.73	1.2	1.8 J [3.1 J]	NA
Benzo(g,h,i)perylene		0.52	0.96	1.4 J [2.8 J]	NA
Benzo(k)fluoranthene		0.97	1.6	2.4 [2.6]	NA
Benzyl Alcohol		ND(0.82) J	ND(0.78) J	ND(0.88) J [ND(0.86) J]	NA
bis(2-Chloroethoxy)methane		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
bis(2-Chloroethyl)ether		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
bis(2-Chloroisopropyl)ether		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
bis(2-Ethylhexyl)phthalate		ND(0.40) J	ND(0.38) J	ND(0.43) J [ND(1.1)]	NA
Butylbenzylphthalate		ND(0.41) J	ND(0.39) J	ND(0.44) J [ND(2.1)]	NA
Chrysene		1.5	2.3	3.4 [4.3]	NA
Diallate		ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
Dibenzo(a,h)anthracene		ND(0.41)	0.23 J	0.50 J [1.3 J]	NA
Dibenzofuran		ND(0.41)	ND(0.39)	0.094 J [0.099 J]	NA
Diethylphthalate		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Dimethylphthalate		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Di-n-Butylphthalate		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Di-n-Octylphthalate		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Diphenylamine		ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G27 0-1 04/03/03	RAA11-G27 1-3 04/03/03	RAA11-G27 3-6 04/03/03	RAA11-G27 4-6 04/03/03
<b>Semivolatile Organics (continued)</b>				
Ethyl Methanesulfonate	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Fluoranthene	3.8	3.8	5.0 [3.6]	NA
Fluorene	0.20 J	0.19 J	0.34 J [0.44]	NA
Hexachlorobenzene	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Hexachlorobutadiene	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Hexachlorocyclopentadiene	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Hexachloroethane	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Hexachlorophene	ND(0.82) J	ND(0.78) J	ND(0.88) J [ND(0.86)]	NA
Hexachloropropene	ND(0.41)	ND(0.39) J	ND(0.44) J [ND(0.43)]	NA
Indeno(1,2,3-cd)pyrene	0.48	0.76	1.2 J [2.4 J]	NA
Isodrin	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Isophorone	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Isosaffrole	ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
Methapyrilene	ND(0.82)	ND(0.78) J	ND(0.88) J [ND(0.86)]	NA
Methyl Methanesulfonate	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Naphthalene	ND(0.41)	0.098 J	0.18 J [0.19 J]	NA
Nitrobenzene	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
N-Nitrosodiethylamine	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
N-Nitrosodimethylamine	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
N-Nitroso-di-n-butylamine	ND(0.82) J	ND(0.78) J	ND(0.88) J [ND(0.86)]	NA
N-Nitroso-di-n-propylamine	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
N-Nitrosodiphenylamine	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
N-Nitrosomethylethylamine	ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
N-Nitrosomorpholine	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
N-Nitrosopiperidine	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
N-Nitrosopyrrolidine	ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
o,o,o-Triethylphosphorothioate	ND(0.41)	ND(0.39) J	ND(0.44) J [ND(0.43)]	NA
o-Toluidine	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
p-Dimethylaminoazobenzene	ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
Pentachlorobenzene	ND(0.41)	ND(0.39) J	ND(0.44) J [ND(0.43)]	NA
Pentachloroethane	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Pentachloronitrobenzene	ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
Pentachlorophenol	ND(2.1)	ND(2.0)	ND(2.2) [ND(2.2)]	NA
Phenacetin	ND(0.82)	ND(0.78)	ND(0.88) [ND(0.86)]	NA
Phenanthrene	3.4	2.5	3.7 [4.6]	NA
Phenol	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Pronamide	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Pyrene	4.9	4.2 J	8.0 [10]	NA
Pyridine	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Safrole	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
Thionazin	ND(0.41)	ND(0.39)	ND(0.44) [ND(0.43)]	NA
<b>Organochlorine Pesticides</b>				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA
Endrin	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA
Kepone	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-G27 0-1 04/03/03	RAA11-G27 1-3 04/03/03	RAA11-G27 3-6 04/03/03	RAA11-G27 4-6 04/03/03
<b>Organophosphate Pesticides</b>				
Dimethoate	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA
Famphur	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA
Phorate	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA
<b>Herbicides</b>				
2,4,5-T	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA
<b>Furans</b>				
2,3,7,8-TCDF	0.000033 Y	0.000015 Y	0.000033 Y [0.000036 Y]	NA
TCDFs (total)	0.00041	0.00023	0.00034 QJ [0.00043 QJ]	NA
1,2,3,7,8-PeCDF	0.000016 J	0.000060 J	0.000097 J [ND(0.000010) XQJ]	NA
2,3,4,7,8-PeCDF	0.000090	0.000044	0.000054 [0.000055]	NA
PeCDFs (total)	0.00096	0.00040	0.00068 QJ [0.00068 QJ]	NA
1,2,3,4,7,8-HxCDF	ND(0.000029) X	0.000011 J	0.000022 J [0.000022 J]	NA
1,2,3,6,7,8-HxCDF	ND(0.000028) X	0.000010 J	0.000017 J [0.000019 J]	NA
1,2,3,7,8,9-HxCDF	0.000010 J	0.000058 J	0.000048 J [0.000055 J]	NA
2,3,4,6,7,8-HxCDF	0.000068	0.000026 J	0.000035 [0.000038]	NA
HxCDFs (total)	0.00082	0.00034	0.00054 [0.00062]	NA
1,2,3,4,6,7,8-HpCDF	0.000061	ND(0.000023) X	0.000049 [0.000048]	NA
1,2,3,4,7,8,9-HpCDF	0.000010 J	0.000042 J	0.000062 J [0.000058 J]	NA
HpCDFs (total)	0.00015	0.000038	0.00013 [0.00013]	NA
OCDF	0.000051 J	0.000015 J	ND(0.000033) X [0.000030 J]	NA
<b>Dioxins</b>				
2,3,7,8-TCDD	ND(0.0000043)	ND(0.0000023)	ND(0.0000012) QJ [ND(0.0000021)]	NA
TCDDs (total)	ND(0.0000043)	ND(0.0000023)	ND(0.0000042) [0.0000025]	NA
1,2,3,7,8-PeCDD	ND(0.0000059) X	ND(0.0000032) X	ND(0.0000026) XJ [ND(0.0000014) XJ]	NA
PeCDDs (total)	0.000011	0.0000061	0.000012 QJ [0.0000099 J]	NA
1,2,3,4,7,8-HxCDD	ND(0.0000029) X	ND(0.0000027)	ND(0.0000029) [ND(0.0000029)]	NA
1,2,3,6,7,8-HxCDD	ND(0.0000056) X	ND(0.0000032) X	0.0000041 J [0.0000038 J]	NA
1,2,3,7,8,9-HxCDD	0.0000032 J	0.0000020 J	ND(0.0000026) X [0.0000022 J]	NA
HxCDDs (total)	0.000033	0.0000020	0.000013 J [0.000027 J]	NA
1,2,3,4,6,7,8-HpCDD	0.000039	ND(0.000010) X	0.000022 J [0.000026 J]	NA
HpCDDs (total)	0.000073	0.000012	0.000046 [0.000056]	NA
OCDD	0.00029	0.000065	0.00020 [0.00018]	NA
Total TEQs (WHO TEFs)	0.000067	0.000033	0.000042 [0.000043]	NA
<b>Inorganics</b>				
Antimony	1.00 B	1.80 B	2.00 B [1.10 B]	NA
Arsenic	5.80	5.10	5.70 [5.20]	NA
Barium	22.0	30.0	37.0 [60.0]	NA
Beryllium	0.300 B	0.240 B	0.380 B [0.260 B]	NA
Cadmium	0.870	0.770	1.00 [0.900]	NA
Chromium	6.10	7.90	10.0 [11.0]	NA
Cobalt	7.00	7.30	6.30 [6.20]	NA
Copper	20.0	32.0	34.0 [35.0]	NA
Cyanide	0.130	0.0620 B	0.0920 B [0.110 B]	NA
Lead	49.0	63.0	98.0 [98.0]	NA
Mercury	0.130	0.110 B	0.170 [0.140]	NA
Nickel	11.0	11.0	10.0 [11.0]	NA
Selenium	ND(1.00) J	ND(1.00) J	0.690 B J [0.760 J]	NA
Silver	ND(1.00)	ND(1.00)	4.50 [ND(1.00)]	NA
Sulfide	65.0 J	20.0 J	46.0 J [72.0 J]	NA
Thallium	1.90	ND(1.20)	ND(1.30) J [ND(1.30) J]	NA
Tin	ND(10.0)	ND(10.0)	ND(10.0) [ND(10.0)]	NA
Vanadium	5.60 B	5.80	6.30 B [6.70]	NA
Zinc	51.0	71.0	79.0 [98.0]	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-H15 0-1 03/25/03	RAA11-H18 0-1 04/08/03	RAA11-H18 6-10 04/08/03	RAA11-H20 0-1 04/08/03
<b>Volatile Organics</b>				
1,1,1,2-Tetrachloroethane	ND(0.0063)	ND(0.0057) J	NA	ND(0.0058) [ND(0.0058)]
1,1,1-Trichloroethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
1,1,2,2-Tetrachloroethane	ND(0.0063)	ND(0.0057) J	NA	ND(0.0058) [ND(0.0058)]
1,1,2-Trichloroethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
1,1-Dichloroethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
1,1-Dichloroethene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
1,2,3-Trichloropropane	ND(0.0063)	ND(0.0057) J	NA	ND(0.0058) [ND(0.0058)]
1,2-Dibromo-3-chloropropane	ND(0.0063)	ND(0.0057) J	NA	ND(0.0058) [ND(0.0058)]
1,2-Dibromoethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
1,2-Dichloroethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
1,2-Dichloropropane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
1,4-Dioxane	ND(0.12) J	ND(0.11) J	NA	ND(0.12) J [ND(0.12) J]
2-Butanone	ND(0.012)	ND(0.011) J	NA	ND(0.012) J [ND(0.012) J]
2-Chloro-1,3-butadiene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
2-Chloroethylvinylether	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
2-Hexanone	ND(0.012)	ND(0.011)	NA	ND(0.012) [ND(0.012)]
3-Chloropropene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
4-Methyl-2-pentanone	ND(0.012)	ND(0.011) J	NA	ND(0.012) J [ND(0.012) J]
Acetone	ND(0.025)	ND(0.023)	NA	ND(0.023) [ND(0.023)]
Acetonitrile	ND(0.12) J	ND(0.11) J	NA	ND(0.12) J [ND(0.12) J]
Acrolein	ND(0.12) J	ND(0.11) J	NA	ND(0.12) J [ND(0.12) J]
Acrylonitrile	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Benzene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Bromodichloromethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Bromoform	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Bromomethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Carbon Disulfide	ND(0.0063) J	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Carbon Tetrachloride	ND(0.0063) J	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Chlorobenzene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Chloroethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Chloroform	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Chloromethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
cis-1,3-Dichloropropene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Dibromochloromethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Dibromomethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Dichlorodifluoromethane	ND(0.0063)	ND(0.0057) J	NA	ND(0.0058) J [ND(0.0058) J]
Ethyl Methacrylate	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Ethylbenzene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Iodomethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Isobutanol	ND(0.12) J	ND(0.11)	NA	ND(0.12) [ND(0.12)]
Methacrylonitrile	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Methyl Methacrylate	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Methylene Chloride	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Propionitrile	ND(0.012)	ND(0.011) J	NA	ND(0.012) J [ND(0.012) J]
Styrene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Tetrachloroethene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Toluene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
trans-1,2-Dichloroethene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
trans-1,3-Dichloropropene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
trans-1,4-Dichloro-2-butene	ND(0.0063)	ND(0.0057) J	NA	ND(0.0058) J [ND(0.0058) J]
Trichloroethene	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Trichlorofluoromethane	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Vinyl Acetate	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Vinyl Chloride	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
Xylenes (total)	ND(0.0063)	ND(0.0057)	NA	ND(0.0058) [ND(0.0058)]
<b>Semivolatile Organics</b>				
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND(0.39) [ND(0.39)]
1,2,4-Trichlorobenzene	NA	NA	NA	ND(0.39) [ND(0.39)]
1,2-Dichlorobenzene	NA	NA	NA	ND(0.39) [ND(0.39)]
1,2-Diphenylhydrazine	NA	NA	NA	ND(0.39) [ND(0.39)]
1,3,5-Trinitrobenzene	NA	NA	NA	ND(0.39) [ND(0.39)]
1,3-Dichlorobenzene	NA	NA	NA	ND(0.39) [ND(0.39)]
1,3-Dinitrobenzene	NA	NA	NA	ND(0.78) [ND(0.78)]
1,4-Dichlorobenzene	NA	NA	NA	ND(0.39) [ND(0.39)]
1,4-Naphthoquinone	NA	NA	NA	ND(0.78) [ND(0.78)]

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-H15 0-1 03/25/03	RAA11-H18 0-1 04/08/03	RAA11-H18 6-10 04/08/03	RAA11-H20 0-1 04/08/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine		NA	NA	NA	ND(0.78) [ND(0.78)]
2,3,4,6-Tetrachlorophenol		NA	NA	NA	ND(0.39) [ND(0.39)]
2,4,5-Trichlorophenol		NA	NA	NA	ND(0.39) [ND(0.39)]
2,4,6-Trichlorophenol		NA	NA	NA	ND(0.39) [ND(0.39)]
2,4-Dichlorophenol		NA	NA	NA	ND(0.39) [ND(0.39)]
2,4-Dimethylphenol		NA	NA	NA	ND(0.39) [ND(0.39)]
2,4-Dinitrophenol		NA	NA	NA	ND(2.0) J [ND(2.0) J]
2,4-Dinitrotoluene		NA	NA	NA	ND(0.39) [ND(0.39)]
2,6-Dichlorophenol		NA	NA	NA	ND(0.39) [ND(0.39)]
2,6-Dinitrotoluene		NA	NA	NA	ND(0.39) [ND(0.39)]
2-Acetylaminofluorene		NA	NA	NA	ND(0.78) J [ND(0.78) J]
2-Chloronaphthalene		NA	NA	NA	ND(0.39) [ND(0.39)]
2-Chlorophenol		NA	NA	NA	ND(0.39) [ND(0.39)]
2-Methylnaphthalene		NA	NA	NA	ND(0.39) [ND(0.39)]
2-Methylphenol		NA	NA	NA	ND(0.39) [ND(0.39)]
2-Naphthylamine		NA	NA	NA	ND(0.78) [ND(0.78)]
2-Nitroaniline		NA	NA	NA	ND(2.0) [ND(2.0)]
2-Nitrophenol		NA	NA	NA	ND(0.78) [ND(0.78)]
2-Picoline		NA	NA	NA	ND(0.39) [ND(0.39)]
3&4-Methylphenol		NA	NA	NA	ND(0.78) [ND(0.78)]
3,3'-Dichlorobenzidine		NA	NA	NA	ND(0.78) [ND(0.78)]
3,3'-Dimethylbenzidine		NA	NA	NA	ND(0.39) [ND(0.39)]
3-Methylcholanthrene		NA	NA	NA	ND(0.78) [ND(0.78)]
3-Nitroaniline		NA	NA	NA	ND(2.0) [ND(2.0)]
4,6-Dinitro-2-methylphenol		NA	NA	NA	ND(0.39) [ND(0.39)]
4-Aminobiphenyl		NA	NA	NA	ND(0.78) [ND(0.78)]
4-Bromophenyl-phenylether		NA	NA	NA	ND(0.39) [ND(0.39)]
4-Chloro-3-Methylphenol		NA	NA	NA	ND(0.39) [ND(0.39)]
4-Chloroaniline		NA	NA	NA	ND(0.39) [ND(0.39)]
4-Chlorobenzilate		NA	NA	NA	ND(0.78) [ND(0.78)]
4-Chlorophenyl-phenylether		NA	NA	NA	ND(0.39) [ND(0.39)]
4-Nitroaniline		NA	NA	NA	ND(2.0) [ND(2.0)]
4-Nitrophenol		NA	NA	NA	ND(2.0) [ND(2.0)]
4-Nitroquinoline-1-oxide		NA	NA	NA	ND(0.78) [ND(0.78)]
4-Phenylenediamine		NA	NA	NA	ND(0.78) [ND(0.78)]
5-Nitro-o-toluidine		NA	NA	NA	ND(0.78) [ND(0.78)]
7,12-Dimethylbenz(a)anthracene		NA	NA	NA	ND(0.78) [ND(0.78)]
a,a'-Dimethylphenethylamine		NA	NA	NA	ND(0.78) [ND(0.78)]
Acenaphthene		NA	NA	NA	ND(0.39) [ND(0.39)]
Acenaphthylene		NA	NA	NA	ND(0.39) [ND(0.39)]
Acetophenone		NA	NA	NA	ND(0.39) [ND(0.39)]
Aniline		NA	NA	NA	ND(0.39) [ND(0.39)]
Anthracene		NA	NA	NA	ND(0.39) [ND(0.39)]
Aramite		NA	NA	NA	ND(0.78) J [ND(0.78) J]
Benzidine		NA	NA	NA	ND(0.78) [ND(0.78)]
Benzo(a)anthracene		NA	NA	NA	0.14 J [0.12 J]
Benzo(a)pyrene		NA	NA	NA	0.16 J [0.12 J]
Benzo(b)fluoranthene		NA	NA	NA	0.18 J [0.16 J]
Benzo(g,h,i)perylene		NA	NA	NA	0.099 J [0.085 J]
Benzo(k)fluoranthene		NA	NA	NA	ND(0.39) [ND(0.39)]
Benzyl Alcohol		NA	NA	NA	ND(0.78) [ND(0.78)]
bis(2-Chloroethoxy)methane		NA	NA	NA	ND(0.39) [ND(0.39)]
bis(2-Chloroethyl)ether		NA	NA	NA	ND(0.39) [ND(0.39)]
bis(2-Chloroisopropyl)ether		NA	NA	NA	ND(0.39) [ND(0.39)]
bis(2-Ethylhexyl)phthalate		NA	NA	NA	ND(0.38) [ND(0.38)]
Butylbenzylphthalate		NA	NA	NA	ND(0.39) [ND(0.39)]
Chrysene		NA	NA	NA	0.15 J [0.14 J]
Diallate		NA	NA	NA	ND(0.78) [ND(0.78)]
Dibenzo(a,h)anthracene		NA	NA	NA	ND(0.39) [ND(0.39)]
Dibenzofuran		NA	NA	NA	ND(0.39) [ND(0.39)]
Diethylphthalate		NA	NA	NA	ND(0.39) [ND(0.39)]
Dimethylphthalate		NA	NA	NA	ND(0.39) [ND(0.39)]
Di-n-Butylphthalate		NA	NA	NA	ND(0.39) [ND(0.39)]
Di-n-Octylphthalate		NA	NA	NA	ND(0.39) J [ND(0.39) J]
Diphenylamine		NA	NA	NA	ND(0.39) [ND(0.39)]

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-H15 0-1 03/25/03	RAA11-H18 0-1 04/08/03	RAA11-H18 6-10 04/08/03	RAA11-H20 0-1 04/08/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate		NA	NA	NA	ND(0.39) J [ND(0.39) J]
Fluoranthene		NA	NA	NA	0.29 J [0.27 J]
Fluorene		NA	NA	NA	ND(0.39) [ND(0.39)]
Hexachlorobenzene		NA	NA	NA	ND(0.39) [ND(0.39)]
Hexachlorobutadiene		NA	NA	NA	ND(0.39) [ND(0.39)]
Hexachlorocyclopentadiene		NA	NA	NA	ND(0.39) J [ND(0.39) J]
Hexachloroethane		NA	NA	NA	ND(0.39) [ND(0.39)]
Hexachlorophene		NA	NA	NA	ND(0.78) J [ND(0.78) J]
Hexachloropropene		NA	NA	NA	ND(0.39) [ND(0.39)]
Indeno(1,2,3-cd)pyrene		NA	NA	NA	0.086 J [0.082 J]
Isodrin		NA	NA	NA	ND(0.39) [ND(0.39)]
Isophorone		NA	NA	NA	ND(0.39) [ND(0.39)]
Isosafrole		NA	NA	NA	ND(0.78) [ND(0.78)]
Methapyrilene		NA	NA	NA	ND(0.78) [ND(0.78)]
Methyl Methanesulfonate		NA	NA	NA	ND(0.39) [ND(0.39)]
Naphthalene		NA	NA	NA	ND(0.39) [ND(0.39)]
Nitrobenzene		NA	NA	NA	ND(0.39) [ND(0.39)]
N-Nitrosodiethylamine		NA	NA	NA	ND(0.39) [ND(0.39)]
N-Nitrosodimethylamine		NA	NA	NA	ND(0.39) [ND(0.39)]
N-Nitroso-di-n-butylamine		NA	NA	NA	ND(0.78) [ND(0.78)]
N-Nitroso-di-n-propylamine		NA	NA	NA	ND(0.39) [ND(0.39)]
N-Nitrosodiphenylamine		NA	NA	NA	ND(0.39) [ND(0.39)]
N-Nitrosomethylethylamine		NA	NA	NA	ND(0.78) [ND(0.78)]
N-Nitrosomorpholine		NA	NA	NA	ND(0.39) [ND(0.39)]
N-Nitrosopiperidine		NA	NA	NA	ND(0.39) [ND(0.39)]
N-Nitrosopyrrolidine		NA	NA	NA	ND(0.78) [ND(0.78)]
o,o,o-Triethylphosphorothioate		NA	NA	NA	ND(0.39) [ND(0.39)]
o-Toluidine		NA	NA	NA	ND(0.39) [ND(0.39)]
p-Dimethylaminoazobenzene		NA	NA	NA	ND(0.78) [ND(0.78)]
Pentachlorobenzene		NA	NA	NA	ND(0.39) J [ND(0.39) J]
Pentachloroethane		NA	NA	NA	ND(0.39) [ND(0.39)]
Pentachloronitrobenzene		NA	NA	NA	ND(0.78) [ND(0.78)]
Pentachlorophenol		NA	NA	NA	ND(2.0) [ND(2.0)]
Phenacetin		NA	NA	NA	ND(0.78) [ND(0.78)]
Phenanthrene		NA	NA	NA	0.13 J [0.13 J]
Phenol		NA	NA	NA	ND(0.39) [ND(0.39)]
Pronamide		NA	NA	NA	ND(0.39) [ND(0.39)]
Pyrene		NA	NA	NA	0.25 J [0.24 J]
Pyridine		NA	NA	NA	ND(0.39) [ND(0.39)]
Safrole		NA	NA	NA	ND(0.39) [ND(0.39)]
Thionazin		NA	NA	NA	ND(0.39) [ND(0.39)]
<b>Organochlorine Pesticides</b>					
4,4'-DDD		NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA
Aldrin		NA	NA	NA	NA
Alpha-BHC		NA	NA	NA	NA
Alpha-Chlordane		NA	NA	NA	NA
Beta-BHC		NA	NA	NA	NA
Delta-BHC		NA	NA	NA	NA
Dieldrin		NA	NA	NA	NA
Endosulfan I		NA	NA	NA	NA
Endosulfan II		NA	NA	NA	NA
Endosulfan Sulfate		NA	NA	NA	NA
Endrin		NA	NA	NA	NA
Endrin Aldehyde		NA	NA	NA	NA
Endrin Ketone		NA	NA	NA	NA
Gamma-BHC (Lindane)		NA	NA	NA	NA
Gamma-Chlordane		NA	NA	NA	NA
Heptachlor		NA	NA	NA	NA
Heptachlor Epoxide		NA	NA	NA	NA
Kepone		NA	NA	NA	NA
Methoxychlor		NA	NA	NA	NA
Technical Chlordane		NA	NA	NA	NA
Toxaphene		NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-H15 0-1 03/25/03	RAA11-H18 0-1 04/08/03	RAA11-H18 6-10 04/08/03	RAA11-H20 0-1 04/08/03
<b>Organophosphate Pesticides</b>				
Dimethoate	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA
Famphur	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA
Phorate	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA
<b>Herbicides</b>				
2,4,5-T	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA
<b>Furans</b>				
2,3,7,8-TCDF	0.000011 J	ND(0.000036) J	ND(0.000012)	0.000024 J [ND(0.000072)]
TCDFs (total)	0.00015	ND(0.000036) QJ	0.00021	0.000083 [ND(0.000072)]
1,2,3,7,8-PeCDF	ND(0.000038)	ND(0.000027) J	ND(0.000029) XQJ	ND(0.000010) X [ND(0.000028)]
2,3,4,7,8-PeCDF	0.000022 J	ND(0.000011) XQJ	ND(0.000011) XJ	ND(0.000015) X [ND(0.000028)]
PeCDFs (total)	0.00033	0.000012 QJ	0.00017 QJ	0.000059 J [0.000032 J]
1,2,3,4,7,8-HxCDF	0.000070 J	ND(0.000027)	0.000062 J	ND(0.000028) [ND(0.000030)]
1,2,3,6,7,8-HxCDF	0.000011 J	ND(0.000027)	0.000060 J	ND(0.000028) [ND(0.000028)]
1,2,3,7,8,9-HxCDF	0.000031 J	ND(0.000030)	ND(0.000058)	ND(0.000028) [ND(0.000034)]
2,3,4,6,7,8-HxCDF	0.000026 J	ND(0.000027)	0.000013 J	ND(0.000028) [ND(0.000030)]
HxCDFs (total)	0.00032	0.000034 QJ	0.00014	0.000047 [ND(0.000030)]
1,2,3,4,6,7,8-HpCDF	0.000029 J	0.000036 J	0.000016 J	ND(0.000036) X [0.000039 J]
1,2,3,4,7,8,9-HpCDF	0.000029 J	ND(0.000032)	ND(0.000044)	ND(0.000028) [ND(0.000028)]
HpCDFs (total)	0.000066	0.000036	0.000039	0.000033 J [0.000074 J]
OCDF	0.000028 J	ND(0.000082)	0.000013 J	0.000065 J [0.000064 J]
<b>Dioxins</b>				
2,3,7,8-TCDD	ND(0.000032)	ND(0.000022) J	ND(0.000021)	ND(0.000016) [ND(0.000016)]
TCDDs (total)	ND(0.000041)	ND(0.000022) QJ	ND(0.000021)	ND(0.000016) [ND(0.000030)]
1,2,3,7,8-PeCDD	ND(0.000014) X	ND(0.000027)	ND(0.000055) J	ND(0.000028) [ND(0.000041)]
PeCDDs (total)	0.000056	ND(0.000033) QJ	ND(0.000055) QJ	ND(0.000030) [ND(0.000041)]
1,2,3,4,7,8-HxCDD	0.000016 J	ND(0.000036)	ND(0.000075) J	ND(0.000028) [ND(0.000048)]
1,2,3,6,7,8-HxCDD	ND(0.000025) X	ND(0.000035)	ND(0.000074) J	ND(0.000028) [ND(0.000048)]
1,2,3,7,8,9-HxCDD	0.000027 J	ND(0.000036)	ND(0.000076) J	ND(0.000028) [ND(0.000049)]
HxCDDs (total)	0.000023	0.000061	0.000067 QJ	0.000014 [ND(0.000048)]
1,2,3,4,6,7,8-HpCDD	0.000032	0.000084 J	0.000095 J	0.000093 J [0.000087 J]
HpCDDs (total)	0.000065	0.000018	0.000019	0.000016 [0.000015]
OCDD	0.00022	ND(0.000042)	0.000070	0.000059 [ND(0.000054)]
Total TEQs (WHO TEFs)	0.000020	0.000042	0.000011	0.000040 [0.000055]
<b>Inorganics</b>				
Antimony	NA	NA	NA	ND(6.00) [ND(6.00)]
Arsenic	NA	NA	NA	6.40 [6.10]
Barium	NA	NA	NA	52.0 [40.0]
Beryllium	NA	NA	NA	0.180 B [0.200 B]
Cadmium	NA	NA	NA	0.340 B [0.450 B]
Chromium	NA	NA	NA	6.90 [8.90]
Cobalt	NA	NA	NA	9.40 [7.90]
Copper	NA	NA	NA	20.0 [23.0]
Cyanide	NA	NA	NA	0.110 B [0.0960 B]
Lead	NA	NA	NA	40.0 [45.0]
Mercury	NA	NA	NA	0.180 [0.140]
Nickel	NA	NA	NA	12.0 [14.0]
Selenium	NA	NA	NA	ND(1.00) J [0.630 J]
Silver	NA	NA	NA	1.00 [0.420 B]
Sulfide	NA	NA	NA	9.30 [7.40]
Thallium	NA	NA	NA	ND(1.20) J [ND(1.20) J]
Tin	NA	NA	NA	ND(16.0) [ND(10.0)]
Vanadium	NA	NA	NA	5.30 [7.20]
Zinc	NA	NA	NA	59.0 [68.0]

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I11 0-1 03/26/03	RAA11-I11 1-3 03/26/03	RAA11-I11 3-6 03/26/03	RAA11-I11 4-6 03/26/03
<b>Volatile Organics</b>				
1,1,1,2-Tetrachloroethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,1,1-Trichloroethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,1,2,2-Tetrachloroethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,1,2-Trichloroethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,1-Dichloroethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,1-Dichloroethene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,2,3-Trichloropropane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,2-Dibromo-3-chloropropane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,2-Dibromoethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,2-Dichloroethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,2-Dichloropropane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
1,4-Dioxane	0.12 J	0.24 J	NA	0.21 J [ND(0.12) J]
2-Butanone	ND(0.012)	ND(0.012)	NA	ND(0.012) [ND(0.012) J]
2-Chloro-1,3-butadiene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
2-Chloroethylvinylether	ND(0.0058) J	ND(0.0058) J	NA	ND(0.0062) J [ND(0.0060) J]
2-Hexanone	ND(0.012)	ND(0.012)	NA	ND(0.012) [ND(0.012) J]
3-Chloropropene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
4-Methyl-2-pentanone	ND(0.012) J	ND(0.012) J	NA	ND(0.012) J [ND(0.012) J]
Acetone	ND(0.023)	ND(0.023)	NA	ND(0.025) [ND(0.024) J]
Acetonitrile	ND(0.12) J	ND(0.12) J	NA	ND(0.12) J [ND(0.12) J]
Acrolein	ND(0.12) J	ND(0.12) J	NA	ND(0.12) J [ND(0.12) J]
Acrylonitrile	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Benzene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Bromodichloromethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Bromoform	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Bromomethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Carbon Disulfide	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Carbon Tetrachloride	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Chlorobenzene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Chloroethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Chloroform	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Chloromethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
cis-1,3-Dichloropropene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Dibromochloromethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Dibromomethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Dichlorodifluoromethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Ethyl Methacrylate	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Ethylbenzene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Iodomethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Isobutanol	ND(0.12) J	ND(0.12) J	NA	ND(0.12) J [ND(0.12) J]
Methacrylonitrile	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Methyl Methacrylate	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Methylene Chloride	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Propionitrile	ND(0.012) J	ND(0.012) J	NA	ND(0.012) J [ND(0.012) J]
Styrene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Tetrachloroethene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Toluene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
trans-1,2-Dichloroethene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
trans-1,3-Dichloropropene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
trans-1,4-Dichloro-2-butene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Trichloroethene	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Trichlorofluoromethane	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Vinyl Acetate	ND(0.0058) J	ND(0.0058) J	NA	ND(0.0062) J [ND(0.0060) J]
Vinyl Chloride	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
Xylenes (total)	ND(0.0058)	ND(0.0058)	NA	ND(0.0062) [ND(0.0060) J]
<b>Semivolatile Organics</b>				
1,2,4,5-Tetrachlorobenzene	ND(0.38) J	ND(0.38) J	ND(0.40) J [ND(0.40) J]	NA
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
1,2-Dichlorobenzene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
1,2-Diphenylhydrazine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
1,3,5-Trinitrobenzene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
1,3-Dichlorobenzene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
1,3-Dinitrobenzene	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
1,4-Dichlorobenzene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
1,4-Naphthoquinone	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I11 0-1 03/26/03	RAA11-I11 1-3 03/26/03	RAA11-I11 3-6 03/26/03	RAA11-I11 4-6 03/26/03
<b>Semivolatile Organics (continued)</b>				
1-Naphthylamine	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
2,3,4,6-Tetrachlorophenol	ND(0.38) J	ND(0.38) J	ND(0.40) J [ND(0.40) J]	NA
2,4,5-Trichlorophenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2,4,6-Trichlorophenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2,4-Dichlorophenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2,4-Dimethylphenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2,4-Dinitrophenol	ND(2.0) J	ND(2.0) J	ND(2.0) J [ND(2.0) J]	NA
2,4-Dinitrotoluene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2,6-Dichlorophenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2,6-Dinitrotoluene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2-Acetylaminofluorene	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
2-Chloronaphthalene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2-Chlorophenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2-Methylnaphthalene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2-Methylphenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
2-Naphthylamine	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
2-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	NA
2-Nitrophenol	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
2-Picoline	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
3&4-Methylphenol	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
3,3'-Dichlorobenzidine	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
3,3'-Dimethylbenzidine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
3-Methylcholanthrene	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
3-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	NA
4,6-Dinitro-2-methylphenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
4-Aminobiphenyl	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
4-Bromophenyl-phenylether	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
4-Chloro-3-Methylphenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
4-Chloroaniline	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
4-Chlorobenzilate	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
4-Chlorophenyl-phenylether	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
4-Nitroaniline	ND(2.0) J	ND(2.0) J	ND(2.0) J [ND(2.0) J]	NA
4-Nitrophenol	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	NA
4-Nitroquinoline-1-oxide	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
4-Phenylenediamine	ND(0.77) J	ND(0.77) J	ND(0.81) J [ND(0.81) J]	NA
5-Nitro-o-toluidine	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
7,12-Dimethylbenz(a)anthracene	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
a,a'-Dimethylphenethylamine	ND(0.77) J	ND(0.77) J	ND(0.81) J [ND(0.81) J]	NA
Acenaphthene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Acenaphthylene	ND(0.38)	ND(0.38)	0.33 J [0.61]	NA
Acetophenone	0.16 J	ND(0.38)	ND(0.40) [0.096 J]	NA
Aniline	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Anthracene	ND(0.38)	ND(0.38)	0.29 J [0.59]	NA
Aramite	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
Benzidine	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
Benzo(a)anthracene	ND(0.38)	ND(0.38)	0.97 J [1.7]	NA
Benzo(a)pyrene	ND(0.38)	ND(0.38)	1.2 [1.8]	NA
Benzo(b)fluoranthene	ND(0.38)	ND(0.38)	0.78 J [1.3]	NA
Benzo(g,h,i)perylene	ND(0.38)	ND(0.38)	0.76 [1.1]	NA
Benzo(k)fluoranthene	ND(0.38)	ND(0.38)	0.72 [1.1]	NA
Benzyl Alcohol	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
bis(2-Chloroethoxy)methane	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
bis(2-Chloroethyl)ether	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
bis(2-Chloroisopropyl)ether	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
bis(2-Ethylhexyl)phthalate	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Butylbenzylphthalate	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Chrysene	ND(0.38)	ND(0.38)	0.88 J [1.5]	NA
Diallate	ND(0.77) J	ND(0.77) J	ND(0.81) J [ND(0.81) J]	NA
Dibenzo(a,h)anthracene	ND(0.38)	ND(0.38)	0.21 J [0.35 J]	NA
Dibenzofuran	ND(0.38)	ND(0.38)	ND(0.40) [0.22 J]	NA
Diethylphthalate	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Dimethylphthalate	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Di-n-Butylphthalate	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Di-n-Octylphthalate	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Diphenylamine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I11 0-1 03/26/03	RAA11-I11 1-3 03/26/03	RAA11-I11 3-6 03/26/03	RAA11-I11 4-6 03/26/03
<b>Semivolatile Organics (continued)</b>				
Ethyl Methanesulfonate	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Fluoranthene	ND(0.38)	ND(0.38)	1.8 J [3.4]	NA
Fluorene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Hexachlorobenzene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Hexachlorobutadiene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Hexachlorocyclopentadiene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Hexachloroethane	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Hexachlorophene	ND(0.77) J	ND(0.77) J	ND(0.81) J [ND(0.81) J]	NA
Hexachloropropene	ND(0.38) J	ND(0.38) J	ND(0.40) J [ND(0.40) J]	NA
Indeno(1,2,3-cd)pyrene	ND(0.38)	ND(0.38)	0.59 [0.95]	NA
Isodrin	ND(0.38) J	ND(0.38) J	ND(0.40) J [ND(0.40) J]	NA
Isophorone	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Isosafrole	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
Methapyrilene	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
Methyl Methanesulfonate	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Naphthalene	ND(0.38)	ND(0.38)	0.11 J [0.14 J]	NA
Nitrobenzene	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
N-Nitrosodiethylamine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
N-Nitrosodimethylamine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
N-Nitroso-di-n-butylamine	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
N-Nitroso-di-n-propylamine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
N-Nitrosodiphenylamine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
N-Nitrosomethylethylamine	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
N-Nitrosomorpholine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
N-Nitrosopiperidine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
N-Nitrosopyrrolidine	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
o,o,o-Triethylphosphorothioate	ND(0.38) J	ND(0.38) J	ND(0.40) J [ND(0.40) J]	NA
o-Toluidine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
p-Dimethylaminoazobenzene	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
Pentachlorobenzene	ND(0.38) J	ND(0.38) J	ND(0.40) J [ND(0.40) J]	NA
Pentachloroethane	ND(0.38) J	ND(0.38) J	ND(0.40) J [ND(0.40) J]	NA
Pentachloronitrobenzene	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
Pentachlorophenol	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	NA
Phenacetin	ND(0.77)	ND(0.77)	ND(0.81) [ND(0.81)]	NA
Phenanthrene	ND(0.38)	ND(0.38)	0.87 J [2.6]	NA
Phenol	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Pronamide	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Pyrene	ND(0.38)	ND(0.38)	1.4 J [3.0]	NA
Pyridine	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Safrole	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
Thionazin	ND(0.38)	ND(0.38)	ND(0.40) [ND(0.40)]	NA
<b>Organochlorine Pesticides</b>				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA
Endrin	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA
Kepone	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I11 0-1 03/26/03	RAA11-I11 1-3 03/26/03	RAA11-I11 3-6 03/26/03	RAA11-I11 4-6 03/26/03
<b>Organophosphate Pesticides</b>				
Dimethoate	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA
Famphur	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA
Phorate	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA
<b>Herbicides</b>				
2,4,5-T	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA
<b>Furans</b>				
2,3,7,8-TCDF	ND(0.0000027)	ND(0.0000044)	0.00026 Y [0.00035 Y]	NA
TCDFs (total)	ND(0.0000027)	ND(0.0000044)	0.0023 J [0.00046 J]	NA
1,2,3,7,8-PeCDF	ND(0.0000049)	ND(0.0000052)	ND(0.000014) X [0.000015 J]	NA
2,3,4,7,8-PeCDF	ND(0.0000015) X	ND(0.0000052)	0.00049 [0.00070]	NA
PeCDFs (total)	ND(0.0000049)	ND(0.0000052)	0.00043 IJ [0.00089 J]	NA
1,2,3,4,7,8-HxCDF	ND(0.0000049)	ND(0.0000052)	ND(0.000040) X [0.000053]	NA
1,2,3,6,7,8-HxCDF	ND(0.0000049)	ND(0.0000052)	0.00021 J [0.00027 J]	NA
1,2,3,7,8,9-HxCDF	ND(0.0000049)	ND(0.0000052)	0.00011 J [0.00012 J]	NA
2,3,4,6,7,8-HxCDF	ND(0.0000049)	ND(0.0000052)	0.00039 [0.00062]	NA
HxCDFs (total)	ND(0.0000049)	ND(0.0000052)	0.00056 J [0.00098 J]	NA
1,2,3,4,6,7,8-HpCDF	0.0000026 J	0.0000028 J	0.00013 [0.00020]	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000049)	ND(0.0000052)	0.00014 J [0.00019 J]	NA
HpCDFs (total)	0.0000026	ND(0.0000052)	0.00027 [0.00042]	NA
OCDF	ND(0.0000040) X	ND(0.0000010)	0.00010 [0.00016]	NA
<b>Dioxins</b>				
2,3,7,8-TCDD	ND(0.0000026)	ND(0.0000047)	ND(0.000015) X [ND(0.000024)]	NA
TCDDs (total)	ND(0.0000037)	ND(0.0000074)	0.000025 J [0.000066 J]	NA
1,2,3,7,8-PeCDD	ND(0.0000049)	ND(0.0000034)	ND(0.000046) X [0.000056 J]	NA
PeCDDs (total)	ND(0.0000065)	ND(0.0000034)	0.00020 [0.00030]	NA
1,2,3,4,7,8-HxCDD	ND(0.0000049)	ND(0.0000052)	0.000039 J [ND(0.000048) X]	NA
1,2,3,6,7,8-HxCDD	ND(0.0000049)	ND(0.0000052)	0.000074 J [ND(0.000092) X]	NA
1,2,3,7,8,9-HxCDD	ND(0.0000049)	ND(0.0000052)	0.000047 J [0.000058 J]	NA
HxCDDs (total)	ND(0.0000057)	ND(0.0000052)	0.00070 [0.00086]	NA
1,2,3,4,6,7,8-HpCDD	ND(0.0000061)	ND(0.0000070)	0.00052 [0.00077]	NA
HpCDDs (total)	ND(0.0000061)	ND(0.0000070)	0.00010 [0.00015]	NA
OCDD	ND(0.0000039)	ND(0.0000059)	0.00049 [0.00076]	NA
Total TEQs (WHO TEFs)	0.0000062	0.0000023	0.000043 [0.000066]	NA
<b>Inorganics</b>				
Antimony	3.10 B	2.10 B	ND(6.00) [ND(6.00)]	NA
Arsenic	4.90	4.00	5.10 [4.40]	NA
Barium	21.0	9.60 B	42.0 [47.0]	NA
Beryllium	0.250 B	0.130 B	0.300 B [0.330 B]	NA
Cadmium	0.230 B	ND(0.500)	0.440 B [0.550]	NA
Chromium	4.10	2.60	17.0 [20.0]	NA
Cobalt	3.80 B	2.70 B	8.40 [7.90]	NA
Copper	7.80	5.10	44.0 [48.0]	NA
Cyanide	ND(0.580)	ND(0.580)	0.140 [ND(0.120)]	NA
Lead	3.60	2.40	92.0 [78.0]	NA
Mercury	ND(0.120)	ND(0.120)	0.330 [0.390]	NA
Nickel	6.80	4.80	16.0 [13.0]	NA
Selenium	ND(1.00) J	ND(1.00) J	1.40 J [0.850 B]	NA
Silver	ND(1.00)	ND(1.00)	ND(1.00) [ND(1.00)]	NA
Sulfide	200 J	94.0 J	160 J [29.0 J]	NA
Thallium	ND(1.20) J	ND(1.20) J	ND(1.20) J [ND(1.20) J]	NA
Tin	ND(10.0)	ND(10.0)	8.00 B [ND(10.0)]	NA
Vanadium	4.70 B	3.00 B	9.60 [11.0]	NA
Zinc	18.0	14.0	110 [120]	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I13 0-1 04/16/03	RAA11-I13-LP 2-4 04/17/03	RAA11-I15 0-1 04/10/03	RAA11-I17 0-1 04/10/03	RAA11-I19 0-1 04/10/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,1,1-Trichloroethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,1,2,2-Tetrachloroethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,1,2-Trichloroethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,1-Dichloroethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,1-Dichloroethene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,2,3-Trichloropropane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,2-Dibromo-3-chloropropane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,2-Dibromoethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,2-Dichloroethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,2-Dichloropropane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
1,4-Dioxane	ND(0.13) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	ND(0.11) J
2-Butanone	ND(0.013)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
2-Chloroethylvinylether	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
2-Hexanone	ND(0.013)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.011)
3-Chloropropene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
4-Methyl-2-pentanone	ND(0.013)	ND(0.012) J	ND(0.012) J	ND(0.011) J	ND(0.011) J
Acetone	ND(0.026)	ND(0.023)	ND(0.024)	ND(0.022)	ND(0.023)
Acetonitrile	ND(0.13) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	ND(0.11) J
Acrolein	ND(0.13) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	ND(0.11) J
Acrylonitrile	ND(0.0064)	ND(0.0058) J	ND(0.0059)	ND(0.0056)	ND(0.0057)
Benzene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Bromodichloromethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Bromoform	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Bromomethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Carbon Disulfide	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Carbon Tetrachloride	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Chlorobenzene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Chloroethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Chloroform	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Chloromethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
cis-1,3-Dichloropropene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Dibromochloromethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Dibromomethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Dichlorodifluoromethane	ND(0.0064) J	ND(0.0058) J	ND(0.0059) J	ND(0.0056) J	ND(0.0057) J
Ethyl Methacrylate	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Ethylbenzene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Iodomethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Isobutanol	ND(0.13)	ND(0.12)	ND(0.12)	ND(0.11)	ND(0.11)
Methacrylonitrile	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Methyl Methacrylate	ND(0.0064)	ND(0.0058) J	ND(0.0059)	ND(0.0056)	ND(0.0057)
Methylene Chloride	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Propionitrile	ND(0.013) J	ND(0.012) J	ND(0.012) J	ND(0.011) J	ND(0.011) J
Styrene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Tetrachloroethene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Toluene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
trans-1,2-Dichloroethene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
trans-1,3-Dichloropropene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
trans-1,4-Dichloro-2-butene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Trichloroethene	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Trichlorofluoromethane	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Vinyl Acetate	ND(0.0064) J	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Vinyl Chloride	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
Xylenes (total)	ND(0.0064)	ND(0.0058)	ND(0.0059)	ND(0.0056)	ND(0.0057)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
1,2-Dichlorobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
1,2-Diphenylhydrazine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
1,3,5-Trinitrobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
1,3-Dichlorobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
1,3-Dinitrobenzene	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
1,4-Dichlorobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
1,4-Naphthoquinone	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I13 0-1 04/16/03	RAA11-I13-LP 2-4 04/17/03	RAA11-I15 0-1 04/10/03	RAA11-I17 0-1 04/10/03	RAA11-I19 0-1 04/10/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
2,3,4,6-Tetrachlorophenol	ND(0.43)	ND(0.39) J	ND(0.39)	ND(0.38)	ND(0.38)
2,4,5-Trichlorophenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2,4,6-Trichlorophenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2,4-Dichlorophenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2,4-Dimethylphenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2,4-Dinitrophenol	ND(2.2) J	ND(2.0)	ND(2.0) J	ND(1.9) J	ND(1.9) J
2,4-Dinitrotoluene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2,6-Dichlorophenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2,6-Dinitrotoluene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2-Acetylaminofluorene	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
2-Chloronaphthalene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2-Chlorophenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2-Methylnaphthalene	0.093 J	0.093 J	ND(0.39)	1.3	ND(0.38)
2-Methylphenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
2-Naphthylamine	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
2-Nitroaniline	ND(2.2)	ND(2.0)	ND(2.0)	ND(1.9)	ND(1.9)
2-Nitrophenol	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
2-Picoline	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
3&4-Methylphenol	ND(0.86) J	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
3,3'-Dichlorobenzidine	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
3,3'-Dimethylbenzidine	ND(0.43) J	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
3-Methylcholanthrene	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
3-Nitroaniline	ND(2.2)	ND(2.0)	ND(2.0)	ND(1.9)	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
4-Aminobiphenyl	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
4-Bromophenyl-phenylether	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
4-Chloro-3-Methylphenol	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
4-Chloroaniline	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
4-Chlorobenzilate	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
4-Chlorophenyl-phenylether	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
4-Nitroaniline	ND(2.2)	ND(2.0)	ND(2.0)	ND(1.9)	ND(1.9)
4-Nitrophenol	ND(2.2)	ND(2.0)	ND(2.0)	ND(1.9)	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.86) J	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
4-Phenylenediamine	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
5-Nitro-o-toluidine	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
7,12-Dimethylbenz(a)anthracene	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
a,a'-Dimethylphenethylamine	ND(0.86)	ND(0.78) J	ND(0.79)	ND(0.76)	ND(0.76)
Acenaphthene	ND(0.43)	ND(0.39)	0.30 J	ND(0.38)	2.9
Acenaphthylene	0.63	0.33 J	0.10 J	9.1	0.95
Acetophenone	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Aniline	0.46	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Anthracene	0.23 J	0.17 J	ND(0.39)	3.7	0.8
Aramite	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
Benzidine	ND(0.86) J	ND(0.78) J	ND(0.79)	ND(0.76)	ND(0.76)
Benzo(a)anthracene	0.71	0.56	0.10 J	16	3.3
Benzo(a)pyrene	1.0	0.88	0.11 J	20	2.5
Benzo(b)fluoranthene	0.88	0.81	ND(0.39)	17	3.3
Benzo(g,h,i)perylene	0.69	0.57	0.081 J	4.6	1.2
Benzo(k)fluoranthene	0.33 J	0.31 J	ND(0.39)	7.6 E	1.5
Benzyl Alcohol	ND(0.86) J	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
bis(2-Chloroethoxy)methane	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
bis(2-Chloroethyl)ether	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
bis(2-Chloroisopropyl)ether	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
bis(2-Ethylhexyl)phthalate	ND(0.42)	ND(0.39)	0.60	ND(0.37)	ND(0.37)
Butylbenzylphthalate	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Chrysene	0.51	0.49	0.071 J	6.4	2.5
Diallate	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
Dibenzo(a,h)anthracene	0.14 J	0.12 J	ND(0.39)	1.5	0.36 J
Dibenzofuran	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Diethylphthalate	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Dimethylphthalate	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Di-n-Butylphthalate	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Di-n-Octylphthalate	ND(0.43)	ND(0.39)	ND(0.39) J	ND(0.38) J	ND(0.38) J
Diphenylamine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I13 0-1 04/16/03	RAA11-I13-LP 2-4 04/17/03	RAA11-I15 0-1 04/10/03	RAA11-I17 0-1 04/10/03	RAA11-I19 0-1 04/10/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.43) J	ND(0.39) J	ND(0.39)	ND(0.38)	ND(0.38)
Fluoranthene	0.76	ND(0.39)	0.14 J	15	2.6 J
Fluorene	0.087 J	ND(0.39)	ND(0.39)	1.6	ND(0.38)
Hexachlorobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Hexachlorobutadiene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Hexachlorocyclopentadiene	ND(0.43) J	ND(0.39) J	ND(0.39) J	ND(0.38) J	ND(0.38) J
Hexachloroethane	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Hexachlorophene	ND(0.86) J	ND(0.78) J	ND(0.79) J	ND(0.76) J	ND(0.76) J
Hexachloropropene	ND(0.43) J	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Indeno(1,2,3-cd)pyrene	0.49	0.41	ND(0.39)	3.4	1.2
Isodrin	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Isophorone	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Isosafrole	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
Methapyrilene	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
Methyl Methanesulfonate	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Naphthalene	0.12 J	0.13 J	ND(0.39)	1.1	ND(0.38)
Nitrobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosodiethylamine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosodimethylamine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitroso-di-n-butylamine	ND(0.86) J	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
N-Nitroso-di-n-propylamine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosodiphenylamine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosomethylethylamine	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
N-Nitrosomorpholine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosopiperidine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
N-Nitrosopyrrolidine	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
o,o,o-Triethylphosphorothioate	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
o-Toluidine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
p-Dimethylaminoazobenzene	0.27 J	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
Pentachlorobenzene	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Pentachloroethane	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Pentachloronitrobenzene	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
Pentachlorophenol	ND(2.2)	ND(2.0)	ND(2.0)	ND(1.9)	ND(1.9)
Phenacetin	ND(0.86)	ND(0.78)	ND(0.79)	ND(0.76)	ND(0.76)
Phenanthrene	0.25 J	0.28 J	ND(0.39)	3.8	0.25 J
Phenol	ND(0.43)	ND(0.39)	ND(0.39)	9.0	ND(0.38)
Pronamide	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Pyrene	1.3	1.0	0.15 J	43	4.7 J
Pyridine	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Safrole	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
Thionazin	ND(0.43)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.38)
<b>Organochlorine Pesticides</b>					
4,4'-DDD	ND(0.016)	NA	NA	ND(0.016)	NA
4,4'-DDE	ND(0.016)	NA	NA	ND(0.016)	NA
4,4'-DDT	ND(0.016)	NA	NA	ND(0.016)	NA
Aldrin	ND(0.0080)	NA	NA	ND(0.0080)	NA
Alpha-BHC	ND(0.0080)	NA	NA	ND(0.0080)	NA
Alpha-Chlordane	ND(0.0080)	NA	NA	ND(0.0080)	NA
Beta-BHC	ND(0.0080)	NA	NA	ND(0.0080)	NA
Delta-BHC	ND(0.0080)	NA	NA	ND(0.0080)	NA
Dieldrin	ND(0.016)	NA	NA	ND(0.016)	NA
Endosulfan I	ND(0.016)	NA	NA	ND(0.016)	NA
Endosulfan II	ND(0.016)	NA	NA	ND(0.016)	NA
Endosulfan Sulfate	ND(0.016)	NA	NA	ND(0.016)	NA
Endrin	ND(0.016)	NA	NA	ND(0.016)	NA
Endrin Aldehyde	ND(0.016)	NA	NA	ND(0.016)	NA
Endrin Ketone	ND(0.016)	NA	NA	ND(0.016)	NA
Gamma-BHC (Lindane)	ND(0.0080)	NA	NA	ND(0.0080)	NA
Gamma-Chlordane	ND(0.0080)	NA	NA	ND(0.0080)	NA
Heptachlor	ND(0.0080)	NA	NA	ND(0.0080)	NA
Heptachlor Epoxide	ND(0.0080)	NA	NA	ND(0.0080)	NA
Kepone	ND(0.43)	NA	NA	ND(0.38)	NA
Methoxychlor	ND(0.080)	NA	NA	ND(0.080)	NA
Technical Chlordane	ND(0.11)	NA	NA	ND(0.094)	NA
Toxaphene	ND(0.20)	NA	NA	ND(0.18)	NA

**TABLE B-1**  
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**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I13 0-1 04/16/03	RAA11-I13-LP 2-4 04/17/03	RAA11-I15 0-1 04/10/03	RAA11-I17 0-1 04/10/03	RAA11-I19 0-1 04/10/03
<b>Organophosphate Pesticides</b>					
Dimethoate	ND(2.2)	NA	NA	ND(1.9)	NA
Disulfoton	ND(0.86)	NA	NA	ND(0.76)	NA
Ethyl Parathion	ND(0.86)	NA	NA	ND(0.76)	NA
Famphur	ND(0.43)	NA	NA	ND(0.38)	NA
Methyl Parathion	ND(0.86)	NA	NA	ND(0.76)	NA
Phorate	ND(0.86)	NA	NA	ND(0.76)	NA
Sulfotep	ND(0.86)	NA	NA	ND(0.76)	NA
<b>Herbicides</b>					
2,4,5-T	ND(0.41)	NA	NA	ND(0.36)	NA
2,4,5-TP	ND(0.41)	NA	NA	ND(0.36)	NA
2,4-D	ND(0.80)	NA	NA	ND(0.80)	NA
Dinoseb	ND(0.43)	NA	NA	ND(0.38)	NA
<b>Furans</b>					
2,3,7,8-TCDF	0.00016 Y	NA	ND(0.000044)	ND(0.000032) X	0.000025 J
TCDFs (total)	0.0024 QJ	NA	ND(0.000044) QJ	0.000021	0.000070
1,2,3,7,8-PeCDF	0.000044	NA	0.000013 J	0.000023 QJ	0.000011 J
2,3,4,7,8-PeCDF	0.00034	NA	0.0000079 J	0.0000054 QJ	0.0000031 J
PeCDFs (total)	0.0030 QJ	NA	0.00012	0.000039 QJ	0.000028
1,2,3,4,7,8-HxCDF	0.00014	NA	0.0000051 J	ND(0.000022) X	ND(0.000024) X
1,2,3,6,7,8-HxCDF	0.000092	NA	0.0000028 J	0.0000037 J	0.0000018 J
1,2,3,7,8,9-HxCDF	ND(0.000042)	NA	ND(0.0000033)	ND(0.0000036)	ND(0.0000026)
2,3,4,6,7,8-HxCDF	0.00020	NA	0.0000049 J	0.0000035 QJ	ND(0.000028) X
HxCDFs (total)	0.0033 QJ	NA	0.000052	0.000018 QJ	0.000024
1,2,3,4,6,7,8-HpCDF	0.00065	NA	0.0000051 J	0.0000094 J	ND(0.000076)
1,2,3,4,7,8,9-HpCDF	0.000071	NA	ND(0.0000028)	0.0000034 J	ND(0.000026)
HpCDFs (total)	0.0013	NA	0.0000051	0.000013	0.000014
OCDF	0.00037	NA	0.0000072 J	0.000021 J	ND(0.000067) X
<b>Dioxins</b>					
2,3,7,8-TCDD	0.0000027 QJ	NA	ND(0.0000021)	ND(0.0000016)	ND(0.0000012)
TCDDs (total)	0.000067 QJ	NA	ND(0.0000021)	ND(0.0000016)	ND(0.0000013)
1,2,3,7,8-PeCDD	ND(0.000017) XQJ	NA	ND(0.0000028)	ND(0.0000028)	ND(0.0000015) X
PeCDDs (total)	0.000047 QJ	NA	ND(0.0000028)	ND(0.0000042)	ND(0.0000035)
1,2,3,4,7,8-HxCDD	ND(0.000013) X	NA	ND(0.0000028)	ND(0.0000028)	ND(0.0000026)
1,2,3,6,7,8-HxCDD	0.000020	NA	ND(0.0000028)	0.0000025 J	ND(0.0000026)
1,2,3,7,8,9-HxCDD	0.000014 QJ	NA	ND(0.0000028)	0.0000030 J	ND(0.0000022) X
HxCDDs (total)	0.00024 QJ	NA	ND(0.0000028)	0.0000055	0.0000029
1,2,3,4,6,7,8-HpCDD	0.00018	NA	0.000011 J	0.000015 J	ND(0.000080) X
HpCDDs (total)	0.00036	NA	0.000018	0.000025	0.0000078
OCDD	0.0012	NA	0.000084	0.00010	ND(0.000053)
Total TEQs (WHO TEFs)	0.00026	NA	0.000011	0.0000072	0.0000042
<b>Inorganics</b>					
Antimony	1.10 B	ND(6.00)	ND(6.00) J	ND(6.00) J	ND(6.00) J
Arsenic	6.10	3.00 J	4.60	5.70	5.70
Barium	52.0	39.0	34.0	44.0	35.0
Beryllium	0.380 B	0.280 B	0.200 B	0.230 B	0.180 B
Cadmium	0.940	ND(0.500)	0.210 B	0.270 B	ND(0.500)
Chromium	27.0	18.0	8.40	7.70	7.60
Cobalt	8.40	6.00	6.00	8.40	8.30
Copper	92.0	44.0	20.0	21.0	20.0
Cyanide	0.280	0.190	ND(0.120)	ND(0.110)	0.0210 B
Lead	150	69.0	62.0	110	42.0
Mercury	0.460	0.330	0.0370 J	0.150 J	1.00 J
Nickel	14.0	11.0	10.0	13.0	15.0
Selenium	1.50 J	ND(1.00) J	ND(1.00) J	0.620 J	0.890 J
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	10.0	43.0	9.40 J	ND(5.60) J	21.0 J
Thallium	ND(1.30) J	ND(1.20) J	ND(1.20) J	ND(1.10) J	0.960 J
Tin	ND(17.0)	5.20 B	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	11.0	8.50	8.80	9.10	10.0
Zinc	160	84.0	88.0	78.0	64.0



**TABLE B-1**  
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**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-119 1-3 04/10/03	RAA11-119 3-6 04/10/03	RAA11-119 4-6 04/10/03	RAA11-119 6-10 04/10/03	RAA11-119 8-10 04/10/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,1,1-Trichloroethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,1,2,2-Tetrachloroethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,1,2-Trichloroethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,1-Dichloroethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,1-Dichloroethene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,2,3-Trichloropropane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,2-Dibromo-3-chloropropane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,2-Dibromoethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,2-Dichloroethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,2-Dichloropropane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
1,4-Dioxane	ND(0.11) J	NA	ND(0.11) J	NA	ND(0.13) J
2-Butanone	ND(0.011)	NA	ND(0.011)	NA	ND(0.013)
2-Chloro-1,3-butadiene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
2-Chloroethylvinylether	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
2-Hexanone	ND(0.011)	NA	ND(0.011)	NA	ND(0.013)
3-Chloropropene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
4-Methyl-2-pentanone	ND(0.011) J	NA	ND(0.011) J	NA	ND(0.013) J
Acetone	ND(0.022)	NA	ND(0.022)	NA	0.027
Acetonitrile	ND(0.11) J	NA	ND(0.11) J	NA	ND(0.13) J
Acrolein	ND(0.11) J	NA	ND(0.11) J	NA	ND(0.13) J
Acrylonitrile	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Benzene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Bromodichloromethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Bromoform	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Bromomethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Carbon Disulfide	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Carbon Tetrachloride	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Chlorobenzene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Chloroethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Chloroform	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Chloromethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
cis-1,3-Dichloropropene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Dibromochloromethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Dibromomethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Dichlorodifluoromethane	ND(0.0056) J	NA	ND(0.0056) J	NA	ND(0.0064) J
Ethyl Methacrylate	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Ethylbenzene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Iodomethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Isobutanol	ND(0.11)	NA	ND(0.11)	NA	ND(0.13)
Methacrylonitrile	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Methyl Methacrylate	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Methylene Chloride	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Propionitrile	ND(0.011) J	NA	ND(0.011) J	NA	ND(0.013) J
Styrene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Tetrachloroethene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Toluene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
trans-1,2-Dichloroethene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
trans-1,3-Dichloropropene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
trans-1,4-Dichloro-2-butene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Trichloroethene	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Trichlorofluoromethane	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Vinyl Acetate	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Vinyl Chloride	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
Xylenes (total)	ND(0.0056)	NA	ND(0.0056)	NA	ND(0.0064)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
1,2,4-Trichlorobenzene	ND(0.37) J	ND(0.39)	NA	ND(0.42)	NA
1,2-Dichlorobenzene	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
1,2-Diphenylhydrazine	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
1,3,5-Trinitrobenzene	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
1,3-Dichlorobenzene	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
1,3-Dinitrobenzene	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
1,4-Dichlorobenzene	ND(0.37) J	ND(0.39)	NA	ND(0.42)	NA
1,4-Naphthoquinone	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
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**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I19 1-3 04/10/03	RAA11-I19 3-6 04/10/03	RAA11-I19 4-6 04/10/03	RAA11-I19 6-10 04/10/03	RAA11-I19 8-10 04/10/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
2,3,4,6-Tetrachlorophenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2,4,5-Trichlorophenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2,4,6-Trichlorophenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2,4-Dichlorophenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2,4-Dimethylphenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2,4-Dinitrophenol	ND(1.9) J	ND(2.0) J	NA	ND(2.1) J	NA
2,4-Dinitrotoluene	ND(0.37)	0.74	NA	ND(0.42)	NA
2,6-Dichlorophenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2,6-Dinitrotoluene	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2-Acetylaminofluorene	ND(0.75)	0.27 J	NA	ND(0.84)	NA
2-Chloronaphthalene	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2-Chlorophenol	ND(0.37) J	ND(0.39)	NA	ND(0.42)	NA
2-Methylnaphthalene	0.38	0.17 J	NA	0.35 J	NA
2-Methylphenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
2-Naphthylamine	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
2-Nitroaniline	ND(1.9)	ND(2.0)	NA	ND(2.1)	NA
2-Nitrophenol	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
2-Picoline	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
3&4-Methylphenol	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
3,3'-Dichlorobenzidine	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
3,3'-Dimethylbenzidine	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
3-Methylcholanthrene	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
3-Nitroaniline	ND(1.9)	ND(2.0)	NA	ND(2.1)	NA
4,6-Dinitro-2-methylphenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
4-Aminobiphenyl	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
4-Bromophenyl-phenylether	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
4-Chloro-3-Methylphenol	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
4-Chloroaniline	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
4-Chlorobenzilate	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
4-Chlorophenyl-phenylether	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
4-Nitroaniline	ND(1.9)	ND(2.0)	NA	ND(2.1)	NA
4-Nitrophenol	ND(1.9)	ND(2.0)	NA	ND(2.1)	NA
4-Nitroquinoline-1-oxide	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
4-Phenylenediamine	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
5-Nitro-o-toluidine	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
7,12-Dimethylbenz(a)anthracene	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
a,a'-Dimethylphenethylamine	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Acenaphthene	ND(0.37)	0.20 J	NA	ND(0.42)	NA
Acenaphthylene	0.70	0.78	NA	2.1	NA
Acetophenone	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Aniline	ND(0.37)	ND(0.39)	NA	0.47	NA
Anthracene	1.3	0.68	NA	ND(0.42)	NA
Aramite	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Benzidine	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Benzo(a)anthracene	2.2	1.3	NA	3.5	NA
Benzo(a)pyrene	1.7	1.4	NA	3.4	NA
Benzo(b)fluoranthene	2.0	1.5	NA	3.4	NA
Benzo(g,h,i)perylene	1.0	1.0	NA	1.9	NA
Benzo(k)fluoranthene	0.93	0.62	NA	1.2	NA
Benzyl Alcohol	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
bis(2-Chloroethoxy)methane	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
bis(2-Chloroethyl)ether	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
bis(2-Chloroisopropyl)ether	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
bis(2-Ethylhexyl)phthalate	0.49	ND(0.38)	NA	ND(0.42)	NA
Butylbenzylphthalate	ND(0.37)	0.47	NA	ND(0.42)	NA
Chrysene	1.6	1.1	NA	3.6	NA
Diallate	ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Dibenzo(a,h)anthracene	0.29 J	ND(0.39)	NA	0.49	NA
Dibenzofuran	0.65	0.18 J	NA	0.24 J	NA
Diethylphthalate	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Dimethylphthalate	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Di-n-Butylphthalate	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Di-n-Octylphthalate	ND(0.37) J	ND(0.39) J	NA	ND(0.42) J	NA
Diphenylamine	ND(0.37)	ND(0.39)	NA	ND(0.42)	NA

**TABLE B-1**  
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Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I19 1-3 04/10/03	RAA11-I19 3-6 04/10/03	RAA11-I19 4-6 04/10/03	RAA11-I19 6-10 04/10/03	RAA11-I19 8-10 04/10/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Fluoranthene		5.0	2.2	NA	6.5	NA
Fluorene		0.74	0.44	NA	0.69	NA
Hexachlorobenzene		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Hexachlorobutadiene		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Hexachlorocyclopentadiene		ND(0.37) J	ND(0.39) J	NA	ND(0.42) J	NA
Hexachloroethane		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Hexachlorophene		ND(0.75) J	ND(0.78) J	NA	ND(0.84) J	NA
Hexachloropropene		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Indeno(1,2,3-cd)pyrene		0.89	0.85	NA	1.7	NA
Isodrin		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Isophorone		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Isosafrole		ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Methapyrilene		ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Methyl Methanesulfonate		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Naphthalene		0.38	0.26 J	NA	0.16 J	NA
Nitrobenzene		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
N-Nitrosodiethylamine		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
N-Nitrosodimethylamine		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
N-Nitroso-di-n-butylamine		ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
N-Nitroso-di-n-propylamine		ND(0.37) J	ND(0.39)	NA	ND(0.42)	NA
N-Nitrosodiphenylamine		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
N-Nitrosomethylethylamine		ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
N-Nitrosomorpholine		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
N-Nitrosopiperidine		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
N-Nitrosopyrrolidine		ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
o,o,o-Triethylphosphorothioate		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
o-Toluidine		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
p-Dimethylaminoazobenzene		ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Pentachlorobenzene		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Pentachloroethane		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Pentachloronitrobenzene		ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Pentachlorophenol		ND(1.9)	ND(2.0)	NA	ND(2.1)	NA
Phenacetin		ND(0.75)	ND(0.78)	NA	ND(0.84)	NA
Phenanthrene		5.8	1.7	NA	4.0	NA
Phenol		ND(0.37) J	ND(0.39)	NA	ND(0.42)	NA
Pronamide		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Pyrene		4.3 J	2.6	NA	7.6	NA
Pyridine		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Safrole		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
Thionazin		ND(0.37)	ND(0.39)	NA	ND(0.42)	NA
<b>Organochlorine Pesticides</b>						
4,4'-DDD		NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA
Aldrin		NA	NA	NA	NA	NA
Alpha-BHC		NA	NA	NA	NA	NA
Alpha-Chlordane		NA	NA	NA	NA	NA
Beta-BHC		NA	NA	NA	NA	NA
Delta-BHC		NA	NA	NA	NA	NA
Dieldrin		NA	NA	NA	NA	NA
Endosulfan I		NA	NA	NA	NA	NA
Endosulfan II		NA	NA	NA	NA	NA
Endosulfan Sulfate		NA	NA	NA	NA	NA
Endrin		NA	NA	NA	NA	NA
Endrin Aldehyde		NA	NA	NA	NA	NA
Endrin Ketone		NA	NA	NA	NA	NA
Gamma-BHC (Lindane)		NA	NA	NA	NA	NA
Gamma-Chlordane		NA	NA	NA	NA	NA
Heptachlor		NA	NA	NA	NA	NA
Heptachlor Epoxide		NA	NA	NA	NA	NA
Kepone		NA	NA	NA	NA	NA
Methoxychlor		NA	NA	NA	NA	NA
Technical Chlordane		NA	NA	NA	NA	NA
Toxaphene		NA	NA	NA	NA	NA

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<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	ND(0.0000034) X	0.000017 Y	NA	0.000027 Y	NA
TCDFs (total)	0.000024	0.00012	NA	0.00032	NA
1,2,3,7,8-PeCDF	0.000017 J	0.000093 J	NA	0.000016 J	NA
2,3,4,7,8-PeCDF	0.000033 J	0.000016 J	NA	0.000048	NA
PeCDFs (total)	0.000031	0.00014	NA	0.00054	NA
1,2,3,4,7,8-HxCDF	0.000023 J	0.000024 J	NA	0.000034	NA
1,2,3,6,7,8-HxCDF	ND(0.000017) X	0.000014 J	NA	0.000021 J	NA
1,2,3,7,8,9-HxCDF	ND(0.000024)	0.000039 J	NA	0.000073 J	NA
2,3,4,6,7,8-HxCDF	ND(0.000018) X	0.000088 J	NA	0.000033	NA
HxCDFs (total)	0.000015	0.00013 QJ	NA	0.00051 QJ	NA
1,2,3,4,6,7,8-HpCDF	ND(0.000070)	0.000025 J	NA	0.000077	NA
1,2,3,4,7,8,9-HpCDF	ND(0.000024)	0.000054 J	NA	0.000010 J	NA
HpCDFs (total)	0.000018	0.000045	NA	0.00016	NA
OCDF	0.000092 J	0.000028 J	NA	0.000057 J	NA
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.000011) X	ND(0.000011)	NA	ND(0.000016) X	NA
TCDDs (total)	0.0000076	ND(0.000022)	NA	0.000018	NA
1,2,3,7,8-PeCDD	ND(0.000024)	ND(0.000017) X	NA	ND(0.000017) X	NA
PeCDDs (total)	ND(0.000032)	0.000011	NA	0.000013	NA
1,2,3,4,7,8-HxCDD	ND(0.000024)	ND(0.0000089) X	NA	0.000025 J	NA
1,2,3,6,7,8-HxCDD	ND(0.000011) X	0.000018 J	NA	0.000038 J	NA
1,2,3,7,8,9-HxCDD	ND(0.000024)	ND(0.000012) X	NA	0.000034 J	NA
HxCDDs (total)	0.000058	0.000011	NA	0.000049	NA
1,2,3,4,6,7,8-HpCDD	0.000012 J	0.000010 J	NA	0.000043	NA
HpCDDs (total)	0.000023	0.000022	NA	0.000086	NA
OCDD	0.00012	0.000060	NA	0.00024	NA
Total TEQs (WHO TEFs)	0.000047	0.000017	NA	0.000049	NA
<b>Inorganics</b>					
Antimony	ND(6.00) J	ND(6.00) J	NA	2.30 J	NA
Arsenic	6.20	4.40	NA	5.20	NA
Barium	29.0	21.0	NA	47.0	NA
Beryllium	0.340 B	0.190 B	NA	0.300 B	NA
Cadmium	ND(0.500)	ND(0.500)	NA	0.460 B	NA
Chromium	6.50	6.00	NA	14.0	NA
Cobalt	7.70	7.40	NA	7.40	NA
Copper	14.0	20.0	NA	49.0	NA
Cyanide	ND(0.110)	ND(0.120)	NA	0.0400 B	NA
Lead	32.0	25.0	NA	100	NA
Mercury	0.140 J	0.0810 J	NA	0.400 J	NA
Nickel	14.0	13.0	NA	14.0	NA
Selenium	ND(1.00) J	ND(1.00) J	NA	1.00 J	NA
Silver	ND(1.00)	ND(1.00)	NA	ND(1.00)	NA
Sulfide	70.0 J	24.0 J	NA	70.0 J	NA
Thallium	ND(1.10) J	ND(1.20) J	NA	ND(1.20) J	NA
Tin	ND(10.0)	ND(10.0)	NA	ND(10.0)	NA
Vanadium	8.80	6.70	NA	9.00	NA
Zinc	65.0	43.0	NA	110	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I19 10-15 04/10/03	RAA11-I19 14-15 04/10/03	RAA11-I21 0-1 04/09/03	RAA11-I23 0-1 04/09/03
<b>Volatile Organics</b>				
1,1,1,2-Tetrachloroethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,1,1-Trichloroethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,1,2,2-Tetrachloroethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,1,2-Trichloroethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,1-Dichloroethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,1-Dichloroethene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,2,3-Trichloropropane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,2-Dibromo-3-chloropropane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,2-Dibromoethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,2-Dichloroethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,2-Dichloropropane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
1,4-Dioxane	NA	ND(0.13) J [ND(0.13) J]	ND(0.11) J	ND(0.12) J
2-Butanone	NA	ND(0.013) [ND(0.013)]	ND(0.011)	0.038
2-Chloro-1,3-butadiene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
2-Chloroethylvinylether	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
2-Hexanone	NA	ND(0.013) [ND(0.013)]	ND(0.011)	ND(0.012)
3-Chloropropene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
4-Methyl-2-pentanone	NA	ND(0.013) J [ND(0.013) J]	ND(0.011) J	ND(0.012) J
Acetone	NA	ND(0.026) [ND(0.026)]	ND(0.022)	0.12
Acetonitrile	NA	ND(0.13) J [ND(0.13) J]	ND(0.11) J	ND(0.12) J
Acrolein	NA	ND(0.13) J [ND(0.13) J]	ND(0.11) J	ND(0.12) J
Acrylonitrile	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Benzene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Bromodichloromethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Bromoform	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Bromomethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Carbon Disulfide	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Carbon Tetrachloride	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Chlorobenzene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Chloroethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Chloroform	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Chloromethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
cis-1,3-Dichloropropene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Dibromochloromethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Dibromomethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Dichlorodifluoromethane	NA	ND(0.0065) J [ND(0.0066) J]	ND(0.0055) J	ND(0.0060) J
Ethyl Methacrylate	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Ethylbenzene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Iodomethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Isobutanol	NA	ND(0.13) [ND(0.13)]	ND(0.11)	ND(0.12)
Methacrylonitrile	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Methyl Methacrylate	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Methylene Chloride	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Propionitrile	NA	ND(0.013) J [ND(0.013) J]	ND(0.011) J	ND(0.012) J
Styrene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Tetrachloroethene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Toluene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
trans-1,2-Dichloroethene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
trans-1,3-Dichloropropene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
trans-1,4-Dichloro-2-butene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055) J	ND(0.0060) J
Trichloroethene	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Trichlorofluoromethane	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Vinyl Acetate	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Vinyl Chloride	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
Xylenes (total)	NA	ND(0.0065) [ND(0.0066)]	ND(0.0055)	ND(0.0060)
<b>Semivolatile Organics</b>				
1,2,4,5-Tetrachlorobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
1,2,4-Trichlorobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
1,2-Dichlorobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
1,2-Diphenylhydrazine	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
1,3,5-Trinitrobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
1,3-Dichlorobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
1,3-Dinitrobenzene	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
1,4-Dichlorobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
1,4-Naphthoquinone	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I19 10-15 04/10/03	RAA11-I19 14-15 04/10/03	RAA11-I21 0-1 04/09/03	RAA11-I23 0-1 04/09/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
2,3,4,6-Tetrachlorophenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2,4,5-Trichlorophenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2,4,6-Trichlorophenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2,4-Dichlorophenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2,4-Dimethylphenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2,4-Dinitrophenol		ND(2.3) J [ND(2.2) J]	NA	ND(1.9) J	ND(2.0) J
2,4-Dinitrotoluene		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2,6-Dichlorophenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2,6-Dinitrotoluene		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2-Acetylaminofluorene		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
2-Chloronaphthalene		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2-Chlorophenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2-Methylnaphthalene		0.46 [0.14 J]	NA	ND(0.36)	ND(0.40)
2-Methylphenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
2-Naphthylamine		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
2-Nitroaniline		ND(2.3) [ND(2.2)]	NA	ND(1.9)	ND(2.0)
2-Nitrophenol		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
2-Picoline		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
3&4-Methylphenol		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
3,3'-Dichlorobenzidine		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
3,3'-Dimethylbenzidine		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
3-Methylcholanthrene		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
3-Nitroaniline		ND(2.3) [ND(2.2)]	NA	ND(1.9)	ND(2.0)
4,6-Dinitro-2-methylphenol		ND(0.45) [ND(0.44)]	NA	ND(1.8)	ND(2.0)
4-Aminobiphenyl		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
4-Bromophenyl-phenylether		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
4-Chloro-3-Methylphenol		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
4-Chloroaniline		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
4-Chlorobenzilate		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
4-Chlorophenyl-phenylether		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
4-Nitroaniline		ND(2.3) [ND(2.2)]	NA	ND(1.9)	ND(2.0)
4-Nitrophenol		ND(2.3) [ND(2.2)]	NA	ND(1.9) J	ND(2.0) J
4-Nitroquinoline-1-oxide		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
4-Phenylenediamine		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
5-Nitro-o-toluidine		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
7,12-Dimethylbenz(a)anthracene		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
a,a'-Dimethylphenethylamine		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Acenaphthene		ND(0.45) [4.4]	NA	ND(0.36)	ND(0.40)
Acenaphthylene		2.2 [1.5]	NA	ND(0.36)	ND(0.40)
Acetophenone		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Aniline		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Anthracene		0.80 [0.48 J]	NA	ND(0.36)	ND(0.40)
Aramite		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Benzidine		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Benzo(a)anthracene		2.3 [1.4]	NA	ND(0.36)	ND(0.40)
Benzo(a)pyrene		4.0 [3.1]	NA	ND(0.36)	ND(0.40)
Benzo(b)fluoranthene		2.9 [2.1]	NA	ND(0.36)	ND(0.40)
Benzo(g,h,i)perylene		2.6 [2.1]	NA	ND(0.36)	ND(0.40)
Benzo(k)fluoranthene		1.1 [0.85]	NA	ND(0.36)	ND(0.40)
Benzyl Alcohol		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
bis(2-Chloroethoxy)methane		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
bis(2-Chloroethyl)ether		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
bis(2-Chloroisopropyl)ether		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
bis(2-Ethylhexyl)phthalate		ND(0.44) [ND(0.43)]	NA	ND(0.36)	ND(0.40)
Butylbenzylphthalate		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Chrysene		1.9 [1.3]	NA	ND(0.36)	ND(0.40)
Diallate		ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Dibenzo(a,h)anthracene		0.51 [0.39 J]	NA	ND(0.36)	ND(0.40)
Dibenzofuran		0.15 J [0.10 J]	NA	ND(0.36)	ND(0.40)
Diethylphthalate		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Dimethylphthalate		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Di-n-Butylphthalate		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Di-n-Octylphthalate		ND(0.45) J [ND(0.44) J]	NA	ND(0.36)	ND(0.40)
Diphenylamine		ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I19 10-15 04/10/03	RAA11-I19 14-15 04/10/03	RAA11-I21 0-1 04/09/03	RAA11-I23 0-1 04/09/03
<b>Semivolatile Organics (continued)</b>				
Ethyl Methanesulfonate	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Fluoranthene	2.6 [1.3 J]	NA	ND(0.36)	ND(0.40)
Fluorene	ND(0.45) [0.23 J]	NA	ND(0.36)	ND(0.40)
Hexachlorobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Hexachlorobutadiene	ND(0.45) [ND(0.44)]	NA	ND(0.73)	ND(0.80)
Hexachlorocyclopentadiene	ND(0.45) J [ND(0.44) J]	NA	ND(0.36)	ND(0.40)
Hexachloroethane	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Hexachlorophene	ND(0.90) J [ND(0.88) J]	NA	ND(0.73) J	ND(0.80) J
Hexachloropropene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Indeno(1,2,3-cd)pyrene	1.8 [1.5]	NA	ND(0.36)	ND(0.40)
Isodrin	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Isophorone	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Isosafrole	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Methapyrilene	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Methyl Methanesulfonate	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Naphthalene	0.34 J [0.31 J]	NA	ND(0.36)	ND(0.40)
Nitrobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
N-Nitrosodiethylamine	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
N-Nitrosodimethylamine	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
N-Nitroso-di-n-butylamine	ND(0.90) [ND(0.88)]	NA	ND(0.73) J	ND(0.80) J
N-Nitroso-di-n-propylamine	ND(0.45) [ND(0.44)]	NA	ND(0.73)	ND(0.80)
N-Nitrosodiphenylamine	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
N-Nitrosomethylethylamine	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
N-Nitrosomorpholine	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
N-Nitrosopiperidine	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
N-Nitrosopyrrolidine	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
o,o,o-Triethylphosphorothioate	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
o-Toluidine	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
p-Dimethylaminoazobenzene	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Pentachlorobenzene	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Pentachloroethane	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Pentachloronitrobenzene	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Pentachlorophenol	ND(2.3) [ND(2.2)]	NA	ND(1.9)	ND(2.0)
Phenacetin	ND(0.90) [ND(0.88)]	NA	ND(0.73)	ND(0.80)
Phenanthrene	0.71 [0.52]	NA	ND(0.36)	ND(0.40)
Phenol	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Pronamide	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Pyrene	4.7 [2.3 J]	NA	0.076 J	0.092 J
Pyridine	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Safrole	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
Thionazin	ND(0.45) [ND(0.44)]	NA	ND(0.36)	ND(0.40)
<b>Organochlorine Pesticides</b>				
4,4'-DDD	ND(0.016)	NA	NA	ND(0.016)
4,4'-DDE	ND(0.016)	NA	NA	ND(0.016)
4,4'-DDT	ND(0.016)	NA	NA	ND(0.016)
Aldrin	ND(0.0080)	NA	NA	ND(0.0080)
Alpha-BHC	ND(0.0080)	NA	NA	ND(0.0080)
Alpha-Chlordane	ND(0.0080)	NA	NA	ND(0.0080)
Beta-BHC	ND(0.0080)	NA	NA	ND(0.0080)
Delta-BHC	ND(0.0080)	NA	NA	ND(0.0080)
Dieldrin	ND(0.016)	NA	NA	ND(0.016)
Endosulfan I	ND(0.016)	NA	NA	ND(0.016)
Endosulfan II	ND(0.016)	NA	NA	ND(0.016)
Endosulfan Sulfate	ND(0.016)	NA	NA	ND(0.016)
Endrin	ND(0.016)	NA	NA	ND(0.016)
Endrin Aldehyde	ND(0.016)	NA	NA	ND(0.016)
Endrin Ketone	ND(0.016)	NA	NA	ND(0.016)
Gamma-BHC (Lindane)	ND(0.0080)	NA	NA	ND(0.0080)
Gamma-Chlordane	ND(0.0080)	NA	NA	ND(0.0080)
Heptachlor	ND(0.0080)	NA	NA	ND(0.0080)
Heptachlor Epoxide	ND(0.0080)	NA	NA	ND(0.0080)
Kepone	ND(0.45)	NA	NA	ND(0.40)
Methoxychlor	ND(0.080)	NA	NA	ND(0.080)
Technical Chlordane	ND(0.11)	NA	NA	ND(0.099)
Toxaphene	ND(0.21)	NA	NA	ND(0.19)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I19 10-15 04/10/03	RAA11-I19 14-15 04/10/03	RAA11-I21 0-1 04/09/03	RAA11-I23 0-1 04/09/03
<b>Organophosphate Pesticides</b>				
Dimethoate	ND(2.3)	NA	NA	ND(2.0)
Disulfoton	ND(0.90)	NA	NA	ND(0.80)
Ethyl Parathion	ND(0.90)	NA	NA	ND(0.80)
Famphur	ND(0.45)	NA	NA	ND(0.40)
Methyl Parathion	ND(0.90)	NA	NA	ND(0.80)
Phorate	ND(0.90)	NA	NA	ND(0.80)
Sulfotep	ND(0.90)	NA	NA	ND(0.80)
<b>Herbicides</b>				
2,4,5-T	ND(0.43)	NA	NA	ND(0.38)
2,4,5-TP	ND(0.43)	NA	NA	ND(0.38)
2,4-D	ND(0.80)	NA	NA	ND(0.80)
Dinoseb	ND(0.45)	NA	NA	ND(0.40)
<b>Furans</b>				
2,3,7,8-TCDF	0.000072 YJ [0.000030 YJ]	NA	0.0000044 J	0.0000020 J
TCDFs (total)	0.00052 [0.00042 J]	NA	0.000027	0.000019
1,2,3,7,8-PeCDF	0.000021 J [0.000010 J]	NA	0.0000019 J	ND(0.0000026)
2,3,4,7,8-PeCDF	0.000077 [0.000063]	NA	0.0000024 J	0.0000087 J
PeCDFs (total)	0.00095 QJ [0.00074 QJ]	NA	0.000018	0.000076
1,2,3,4,7,8-HxCDF	0.000066 J [0.000032 J]	NA	0.0000021 J	0.0000033 J
1,2,3,6,7,8-HxCDF	ND(0.0000036) [0.000019 J]	NA	0.0000015 J	0.0000027 J
1,2,3,7,8,9-HxCDF	ND(0.0000048) [ND(0.0000032)]	NA	ND(0.0000024)	0.0000020 J
2,3,4,6,7,8-HxCDF	0.000055 [0.000036]	NA	0.0000019 J	0.0000044 J
HxCDFs (total)	0.00094 [0.00063]	NA	0.000017	0.000059
1,2,3,4,6,7,8-HpCDF	0.000070 [0.000072]	NA	0.0000046 J	ND(0.0000060) X
1,2,3,4,7,8,9-HpCDF	0.000011 J [0.000012 J]	NA	ND(0.0000024)	ND(0.0000026)
HpCDFs (total)	0.00017 [0.00017]	NA	0.0000079	0.0000080
OCDF	ND(0.000058) X [0.000048 J]	NA	0.0000049 J	0.0000051 J
<b>Dioxins</b>				
2,3,7,8-TCDD	ND(0.0000018) [ND(0.0000019)]	NA	ND(0.0000010)	ND(0.0000010)
TCDDs (total)	ND(0.0000035) [ND(0.0000059)]	NA	ND(0.0000022)	ND(0.0000018)
1,2,3,7,8-PeCDD	ND(0.0000035) [ND(0.0000036)]	NA	ND(0.0000024)	ND(0.0000026)
PeCDDs (total)	0.000021 [0.000014]	NA	ND(0.0000033)	0.0000093
1,2,3,4,7,8-HxCDD	0.0000035 J [ND(0.0000041)]	NA	ND(0.0000024)	ND(0.0000026)
1,2,3,6,7,8-HxCDD	ND(0.0000040) X [0.0000036 J]	NA	ND(0.0000024)	ND(0.0000041) X
1,2,3,7,8,9-HxCDD	0.0000041 J [ND(0.0000051) X]	NA	ND(0.0000024)	0.0000029 J
HxCDDs (total)	0.000031 J [0.000014 J]	NA	ND(0.0000044)	0.000037
1,2,3,4,6,7,8-HpCDD	0.000026 J [0.000027 J]	NA	0.0000050 J	0.000016 J
HpCDDs (total)	0.000050 [0.000051]	NA	0.000010	0.000032
OCDD	0.00015 [0.00014]	NA	ND(0.000046)	ND(0.00000013)
Total TEQs (WHO TEFs)	0.000064 [0.000049]	NA	0.0000046	0.0000085
<b>Inorganics</b>				
Antimony	ND(6.00) J [ND(6.00) J]	NA	ND(6.00)	0.960 B
Arsenic	3.90 [2.80]	NA	4.80	7.60
Barium	36.0 [38.0]	NA	26.0	44.0
Beryllium	0.300 B [0.310 B]	NA	0.180 B	0.350 B
Cadmium	0.270 B [0.340 B]	NA	0.300 B	0.460 B
Chromium	17.0 [16.0]	NA	5.30	11.0
Cobalt	7.50 [7.50]	NA	7.00	8.60
Copper	32.0 [30.0]	NA	16.0	19.0
Cyanide	ND(0.130) [ND(0.130)]	NA	0.0740 B	0.0870 B
Lead	66.0 [46.0]	NA	17.0	29.0
Mercury	0.230 J [0.210 J]	NA	0.0650 B	0.110 B
Nickel	13.0 [13.0]	NA	10.0	15.0
Selenium	ND(1.00) J [ND(1.00) J]	NA	0.510 J	0.580 J
Silver	ND(1.00) [ND(1.00)]	NA	ND(1.00)	ND(1.00)
Sulfide	28.0 J [54.0 J]	NA	8.80	ND(6.00)
Thallium	ND(1.30) J [ND(1.30) J]	NA	ND(1.10) J	ND(1.20) J
Tin	ND(10.0) [ND(10.0)]	NA	ND(10.0)	ND(10.0)
Vanadium	10.0 [10.0]	NA	5.10 B	10.0
Zinc	85.0 [80.0]	NA	40.0	85.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I23 10-12 04/09/03	RAA11-I23 10-15 04/09/03	RAA11-I24 1-3 04/03/03	RAA11-I24 3-6 04/03/03	RAA11-I24 4-6 04/03/03	RAA11-I24 6-8 04/03/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
1,1,1-Trichloroethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
1,1,2,2-Tetrachloroethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
1,1,2-Trichloroethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
1,1-Dichloroethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
1,1-Dichloroethene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
1,2,3-Trichloropropane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
1,2-Dibromo-3-chloropropane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
1,2-Dibromoethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
1,2-Dichloroethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
1,2-Dichloropropane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
1,4-Dioxane	ND(0.14) J	NA	ND(0.11) J	NA	ND(0.10) J	ND(0.11) J
2-Butanone	ND(0.014)	NA	ND(0.011)	NA	ND(0.010)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
2-Chloroethylvinylether	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
2-Hexanone	ND(0.014)	NA	ND(0.011)	NA	ND(0.010)	ND(0.011) J
3-Chloropropene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
4-Methyl-2-pentanone	ND(0.014) J	NA	ND(0.011)	NA	ND(0.010)	ND(0.011)
Acetone	ND(0.029)	NA	ND(0.022)	NA	ND(0.021)	ND(0.022)
Acetonitrile	ND(0.14) J	NA	ND(0.11) J	NA	ND(0.10) J	ND(0.11) J
Acrolein	ND(0.14) J	NA	ND(0.11) J	NA	ND(0.10) J	ND(0.11) J
Acrylonitrile	ND(0.0072)	NA	ND(0.0055) J	NA	ND(0.0053) J	ND(0.0056) J
Benzene	0.0051 J	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Bromodichloromethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Bromoform	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
Bromomethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Carbon Disulfide	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Carbon Tetrachloride	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Chlorobenzene	0.018	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
Chloroethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Chloroform	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Chloromethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
cis-1,3-Dichloropropene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Dibromochloromethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
Dibromomethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Dichlorodifluoromethane	ND(0.0072) J	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Ethyl Methacrylate	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
Ethylbenzene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
Iodomethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Isobutanol	ND(0.14)	NA	ND(0.11)	NA	ND(0.10)	ND(0.11)
Methacrylonitrile	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Methyl Methacrylate	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Methylene Chloride	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Propionitrile	ND(0.014) J	NA	ND(0.011) J	NA	ND(0.010) J	ND(0.011) J
Styrene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
Tetrachloroethene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
Toluene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
trans-1,2-Dichloroethene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
trans-1,3-Dichloropropene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
trans-1,4-Dichloro-2-butene	ND(0.0072) J	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Trichloroethene	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Trichlorofluoromethane	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Vinyl Acetate	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Vinyl Chloride	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056)
Xylenes (total)	ND(0.0072)	NA	ND(0.0055)	NA	ND(0.0053)	ND(0.0056) J
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
1,2,4-Trichlorobenzene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
1,2-Dichlorobenzene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
1,2-Diphenylhydrazine	NA	ND(0.42)	ND(0.36) J	ND(0.36) J	NA	NA
1,3,5-Trinitrobenzene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
1,3-Dichlorobenzene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
1,3-Dinitrobenzene	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
1,4-Dichlorobenzene	NA	0.086 J	ND(0.36)	ND(0.36)	NA	NA
1,4-Naphthoquinone	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I23 10-12 04/09/03	RAA11-I23 10-15 04/09/03	RAA11-I24 1-3 04/03/03	RAA11-I24 3-6 04/03/03	RAA11-I24 4-6 04/03/03	RAA11-I24 6-8 04/03/03
<b>Semivolatle Organics (continued)</b>						
1-Naphthylamine	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
2,3,4,6-Tetrachlorophenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2,4,5-Trichlorophenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2,4,6-Trichlorophenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2,4-Dichlorophenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2,4-Dimethylphenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2,4-Dinitrophenol	NA	ND(2.2) J	ND(1.8) J	ND(1.8) J	NA	NA
2,4-Dinitrotoluene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2,6-Dichlorophenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2,6-Dinitrotoluene	NA	ND(0.42)	ND(0.36) J	ND(0.36) J	NA	NA
2-Acetylaminofluorene	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
2-Chloronaphthalene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2-Chlorophenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2-Methylnaphthalene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2-Methylphenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
2-Naphthylamine	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
2-Nitroaniline	NA	ND(2.2)	ND(1.8) J	ND(1.8) J	NA	NA
2-Nitrophenol	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
2-Picoline	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
3&4-Methylphenol	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
3,3'-Dichlorobenzidine	NA	ND(0.85)	ND(0.73) J	ND(0.72) J	NA	NA
3,3'-Dimethylbenzidine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
3-Methylcholanthrene	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
3-Nitroaniline	NA	ND(2.2)	ND(1.8) J	ND(1.8) J	NA	NA
4,6-Dinitro-2-methylphenol	NA	ND(2.1)	ND(0.36) J	ND(0.36) J	NA	NA
4-Aminobiphenyl	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
4-Bromophenyl-phenylether	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
4-Chloro-3-Methylphenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
4-Chloroaniline	NA	ND(0.42)	ND(0.36) J	ND(0.36) J	NA	NA
4-Chlorobenzilate	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
4-Chlorophenyl-phenylether	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
4-Nitroaniline	NA	ND(2.2)	ND(1.8) J	ND(1.8) J	NA	NA
4-Nitrophenol	NA	ND(2.2) J	ND(1.8) J	ND(1.8) J	NA	NA
4-Nitroquinoline-1-oxide	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
4-Phenylenediamine	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
5-Nitro-o-toluidine	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
7,12-Dimethylbenz(a)anthracene	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
a,a'-Dimethylphenethylamine	NA	ND(0.85)	ND(0.73) J	ND(0.72) J	NA	NA
Acenaphthene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Acenaphthylene	NA	0.21 J	ND(0.36)	ND(0.36)	NA	NA
Acetophenone	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Aniline	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Anthracene	NA	0.30 J	ND(0.36)	ND(0.36)	NA	NA
Aramite	NA	ND(0.85)	ND(0.73) J	ND(0.72) J	NA	NA
Benzidine	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
Benzo(a)anthracene	NA	0.72	0.10 J	ND(0.36)	NA	NA
Benzo(a)pyrene	NA	0.73	0.12 J	ND(0.36)	NA	NA
Benzo(b)fluoranthene	NA	0.85	ND(0.36)	ND(0.36)	NA	NA
Benzo(g,h,i)perylene	NA	0.44	ND(0.36)	ND(0.36)	NA	NA
Benzo(k)fluoranthene	NA	0.34 J	ND(0.36)	ND(0.36)	NA	NA
Benzyl Alcohol	NA	ND(0.85)	ND(0.73) J	ND(0.72) J	NA	NA
bis(2-Chloroethoxy)methane	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
bis(2-Chloroethyl)ether	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
bis(2-Chloroisopropyl)ether	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.42)	ND(0.36) J	ND(0.35) J	NA	NA
Butylbenzylphthalate	NA	ND(0.42)	ND(0.36) J	ND(0.36) J	NA	NA
Chrysene	NA	0.88	0.15 J	ND(0.36)	NA	NA
Diallate	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
Dibenzo(a,h)anthracene	NA	0.099 J	ND(0.36)	ND(0.36)	NA	NA
Dibenzofuran	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Diethylphthalate	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Dimethylphthalate	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Di-n-Butylphthalate	NA	ND(0.42)	ND(0.36) J	ND(0.36) J	NA	NA
Di-n-Octylphthalate	NA	ND(0.42)	ND(0.36) J	ND(0.36) J	NA	NA
Diphenylamine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I23 10-12 04/09/03	RAA11-I23 10-15 04/09/03	RAA11-I24 1-3 04/03/03	RAA11-I24 3-6 04/03/03	RAA11-I24 4-6 04/03/03	RAA11-I24 6-8 04/03/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Fluoranthene	NA	ND(0.42)	0.24 J	ND(0.36)	NA	NA
Fluorene	NA	0.15 J	ND(0.36)	ND(0.36)	NA	NA
Hexachlorobenzene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Hexachlorobutadiene	NA	ND(0.84)	ND(0.36)	ND(0.36)	NA	NA
Hexachlorocyclopentadiene	NA	ND(0.42)	ND(0.36) J	ND(0.36) J	NA	NA
Hexachloroethane	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Hexachlorophene	NA	ND(0.85) J	ND(0.73)	ND(0.72)	NA	NA
Hexachloropropene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Indeno(1,2,3-cd)pyrene	NA	0.35 J	ND(0.36)	ND(0.36)	NA	NA
Isodrin	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Isophorone	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Isosafrole	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
Methapyrilene	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
Methyl Methanesulfonate	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Naphthalene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Nitrobenzene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
N-Nitrosodiethylamine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
N-Nitrosodimethylamine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
N-Nitroso-di-n-butylamine	NA	ND(0.85) J	ND(0.73)	ND(0.72)	NA	NA
N-Nitroso-di-n-propylamine	NA	ND(0.84)	ND(0.36)	ND(0.36)	NA	NA
N-Nitrosodiphenylamine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
N-Nitrosomethylethylamine	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
N-Nitrosomorpholine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
N-Nitrosopiperidine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
N-Nitrosopyrrolidine	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
o,o,o-Triethylphosphorothioate	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
o-Toluidine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
p-Dimethylaminoazobenzene	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
Pentachlorobenzene	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Pentachloroethane	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Pentachloronitrobenzene	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
Pentachlorophenol	NA	ND(2.2)	ND(1.8)	ND(1.8)	NA	NA
Phenacetin	NA	ND(0.85)	ND(0.73)	ND(0.72)	NA	NA
Phenanthrene	NA	1.3	0.095 J	ND(0.36)	NA	NA
Phenol	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Pronamide	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Pyrene	NA	1.7	ND(0.36)	ND(0.36)	NA	NA
Pyridine	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Safrole	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
Thionazin	NA	ND(0.42)	ND(0.36)	ND(0.36)	NA	NA
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	ND(0.016)	ND(0.016)	NA	NA	NA
4,4'-DDE	NA	ND(0.016)	ND(0.016)	NA	NA	NA
4,4'-DDT	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Aldrin	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Alpha-BHC	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Alpha-Chlordane	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Beta-BHC	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Delta-BHC	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Dieldrin	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endosulfan I	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endosulfan II	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endosulfan Sulfate	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endrin	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endrin Aldehyde	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endrin Ketone	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Gamma-BHC (Lindane)	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Gamma-Chlordane	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Heptachlor	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Heptachlor Epoxide	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Kepone	NA	ND(0.42)	ND(0.36)	NA	NA	NA
Methoxychlor	NA	ND(0.080)	ND(0.080)	NA	NA	NA
Technical Chlordane	NA	ND(0.10)	ND(0.091)	NA	NA	NA
Toxaphene	NA	ND(0.20)	ND(0.17)	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I23 10-12 04/09/03	RAA11-I23 10-15 04/09/03	RAA11-I24 1-3 04/03/03	RAA11-I24 3-6 04/03/03	RAA11-I24 4-6 04/03/03	RAA11-I24 6-8 04/03/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	ND(2.2)	ND(1.8)	NA	NA	NA
Disulfoton	NA	ND(0.85)	ND(0.73)	NA	NA	NA
Ethyl Parathion	NA	ND(0.85)	ND(0.73)	NA	NA	NA
Famphur	NA	ND(0.42)	ND(0.36)	NA	NA	NA
Methyl Parathion	NA	ND(0.85)	ND(0.73)	NA	NA	NA
Phorate	NA	ND(0.85)	ND(0.73)	NA	NA	NA
Sulfotep	NA	ND(0.85)	ND(0.73)	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	ND(0.40)	ND(0.35)	NA	NA	NA
2,4,5-TP	NA	ND(0.40)	ND(0.35)	NA	NA	NA
2,4-D	NA	ND(0.80)	ND(0.80)	NA	NA	NA
Dinoseb	NA	ND(0.42)	ND(0.36)	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	NA	0.000010 J	ND(0.000011) X	ND(0.0000065) X	NA	NA
TCDFs (total)	NA	0.000086	ND(0.000013)	ND(0.000010)	NA	NA
1,2,3,7,8-PeCDF	NA	ND(0.000042) X	ND(0.000028)	ND(0.0000067) X	NA	NA
2,3,4,7,8-PeCDF	NA	0.000017 J	ND(0.000028)	0.0000043 J	NA	NA
PeCDFs (total)	NA	0.00016	ND(0.000028)	0.0000043	NA	NA
1,2,3,4,7,8-HxCDF	NA	0.000022 J	ND(0.000028)	ND(0.0000026)	NA	NA
1,2,3,6,7,8-HxCDF	NA	0.0000088 J	ND(0.000028)	ND(0.0000026)	NA	NA
1,2,3,7,8,9-HxCDF	NA	0.0000053 J	ND(0.000028)	ND(0.0000026)	NA	NA
2,3,4,6,7,8-HxCDF	NA	0.000012 J	ND(0.000028)	ND(0.0000026)	NA	NA
HxCDFs (total)	NA	0.00018	ND(0.000028)	ND(0.0000026)	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	0.000035	ND(0.000028)	ND(0.0000026)	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	0.0000096 J	ND(0.000028)	ND(0.0000026)	NA	NA
HpCDFs (total)	NA	0.000091	ND(0.000028)	ND(0.0000026)	NA	NA
OCDF	NA	0.000046 J	ND(0.0000060)	ND(0.0000054)	NA	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	NA	ND(0.000013)	ND(0.000014)	ND(0.000013)	NA	NA
TCDDs (total)	NA	0.0000092	ND(0.000037)	ND(0.0000036)	NA	NA
1,2,3,7,8-PeCDD	NA	ND(0.000062) X	ND(0.000028)	ND(0.0000026)	NA	NA
PeCDDs (total)	NA	0.000028 QJ	ND(0.000046)	ND(0.0000046)	NA	NA
1,2,3,4,7,8-HxCDD	NA	0.0000039 J	ND(0.000028)	ND(0.0000026)	NA	NA
1,2,3,6,7,8-HxCDD	NA	0.0000072 J	ND(0.000028)	ND(0.0000026)	NA	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.000052) X	ND(0.000028)	ND(0.0000026)	NA	NA
HxCDDs (total)	NA	0.000093	ND(0.000054)	ND(0.0000026)	NA	NA
1,2,3,4,6,7,8-HpCDD	NA	0.000044	ND(0.000029)	ND(0.0000026)	NA	NA
HpCDDs (total)	NA	0.000097	ND(0.000029)	ND(0.0000026)	NA	NA
OCDD	NA	0.00027	0.0000070 J	0.0000063 J	NA	NA
Total TEQs (WHO TEFs)	NA	0.000020	0.0000039	0.0000032	NA	NA
<b>Inorganics</b>						
Antimony	NA	ND(6.00)	ND(6.00)	ND(6.00)	NA	NA
Arsenic	NA	5.10	7.50	3.90	NA	NA
Barium	NA	20.0	35.0	18.0 B	NA	NA
Beryllium	NA	0.180 B	0.230 B	0.150 B	NA	NA
Cadmium	NA	0.420 B	0.870	0.640	NA	NA
Chromium	NA	10.0	7.60	5.20	NA	NA
Cobalt	NA	7.40	9.40	6.90	NA	NA
Copper	NA	27.0	17.0	14.0	NA	NA
Cyanide	NA	0.0690 B	0.0540 B	0.0430 B	NA	NA
Lead	NA	240	8.40	5.40	NA	NA
Mercury	NA	0.180	ND(0.110)	ND(0.110)	NA	NA
Nickel	NA	12.0	14.0	10.0	NA	NA
Selenium	NA	0.870 J	0.580 J	ND(1.00) J	NA	NA
Silver	NA	0.380 B	ND(1.00)	ND(1.00)	NA	NA
Sulfide	NA	300	16.0 J	22.0 J	NA	NA
Thallium	NA	ND(1.30) J	ND(1.10) J	ND(1.10) J	NA	NA
Tin	NA	ND(10.0)	ND(10.0)	ND(10.0)	NA	NA
Vanadium	NA	6.00	6.00	4.40 B	NA	NA
Zinc	NA	62.0	47.0	37.0	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I24 6-10 04/03/03	RAA11-I25 0-1 04/03/03	RAA11-J12-LP 8-10 04/16/03	RAA11-J16 3-6 04/15/03	RAA11-J16 4-6 04/15/03	RAA11-J17 1-3 04/14/03
<b>Volatiles Organics</b>						
1,1,1,2-Tetrachloroethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,1,1-Trichloroethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,1,2,2-Tetrachloroethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,1,2-Trichloroethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,1-Dichloroethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,1-Dichloroethene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,2,3-Trichloropropane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,2-Dibromo-3-chloropropane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,2-Dibromoethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,2-Dichloroethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,2-Dichloropropane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
1,4-Dioxane	NA	ND(0.12) J	ND(0.13) J	NA	ND(0.11) J	ND(0.11) J
2-Butanone	NA	ND(0.012) J	ND(0.013) J	NA	ND(0.011) J	ND(0.011) J
2-Chloro-1,3-butadiene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
2-Chloroethylvinylether	NA	ND(0.0059) J	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
2-Hexanone	NA	ND(0.012) J	ND(0.013) J	NA	ND(0.011) J	ND(0.011) J
3-Chloropropene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
4-Methyl-2-pentanone	NA	ND(0.012) J	ND(0.013) J	NA	ND(0.011) J	ND(0.011) J
Acetone	NA	ND(0.024) J	0.025 J	NA	0.018 J	ND(0.023) J
Acetonitrile	NA	ND(0.12) J	ND(0.13) J	NA	ND(0.11) J	ND(0.11) J
Acrolein	NA	ND(0.12) J	ND(0.13) J	NA	ND(0.11) J	ND(0.11) J
Acrylonitrile	NA	ND(0.0059) J	ND(0.0064)	NA	ND(0.0055) J	ND(0.0057) J
Benzene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Bromodichloromethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Bromoform	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Bromomethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Carbon Disulfide	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Carbon Tetrachloride	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055) J	ND(0.0057) J
Chlorobenzene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Chloroethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Chloroform	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Chloromethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
cis-1,3-Dichloropropene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Dibromochloromethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Dibromomethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Dichlorodifluoromethane	NA	ND(0.0059)	ND(0.0064) J	NA	ND(0.0055) J	ND(0.0057) J
Ethyl Methacrylate	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Ethylbenzene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Iodomethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Isobutanol	NA	ND(0.12) J	ND(0.13) J	NA	ND(0.11) J	ND(0.11) J
Methacrylonitrile	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055) J	ND(0.0057) J
Methyl Methacrylate	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Methylene Chloride	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Propionitrile	NA	ND(0.012) J	ND(0.013) J	NA	ND(0.011) J	ND(0.011) J
Styrene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Tetrachloroethene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Toluene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
trans-1,2-Dichloroethene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
trans-1,3-Dichloropropene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
trans-1,4-Dichloro-2-butene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Trichloroethene	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Trichlorofluoromethane	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Vinyl Acetate	NA	ND(0.0059) J	ND(0.0064) J	NA	ND(0.0055)	ND(0.0057)
Vinyl Chloride	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
Xylenes (total)	NA	ND(0.0059)	ND(0.0064)	NA	ND(0.0055)	ND(0.0057)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
1,2-Dichlorobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
1,2-Diphenylhydrazine	ND(0.39) J	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
1,3,5-Trinitrobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
1,3-Dichlorobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
1,3-Dinitrobenzene	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
1,4-Dichlorobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
1,4-Naphthoquinone	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I24 6-10 04/03/03	RAA11-I25 0-1 04/03/03	RAA11-J12-LP 8-10 04/16/03	RAA11-J16 3-6 04/15/03	RAA11-J16 4-6 04/15/03	RAA11-J17 1-3 04/14/03
<b>Semivolatle Organics (continued)</b>						
1-Naphthylamine	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
2,3,4,6-Tetrachlorophenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
2,4,5-Trichlorophenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
2,4,6-Trichlorophenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
2,4-Dichlorophenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
2,4-Dimethylphenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
2,4-Dinitrophenol	ND(2.0) J	ND(2.0) J	ND(2.2) J	ND(1.9) J	NA	ND(1.9) J
2,4-Dinitrotoluene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
2,6-Dichlorophenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
2,6-Dinitrotoluene	ND(0.39) J	ND(0.39) J	R	ND(0.36)	NA	ND(0.38)
2-Acetylaminofluorene	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
2-Chloronaphthalene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
2-Chlorophenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
2-Methylnaphthalene	ND(0.39)	ND(0.39)	R	0.15 J	NA	ND(0.38)
2-Methylphenol	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
2-Naphthylamine	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
2-Nitroaniline	ND(2.0) J	ND(2.0) J	R	ND(1.9)	NA	ND(1.9)
2-Nitrophenol	ND(0.78)	ND(0.79)	ND(0.86) J	ND(0.73)	NA	ND(0.76)
2-Picoline	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
3&4-Methylphenol	ND(0.78)	ND(0.79)	ND(0.86) J	ND(0.73)	NA	ND(0.76)
3,3'-Dichlorobenzidine	ND(0.78) J	ND(0.79) J	R	ND(0.73)	NA	ND(0.76)
3,3'-Dimethylbenzidine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
3-Methylcholanthrene	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
3-Nitroaniline	ND(2.0) J	ND(2.0) J	R	ND(1.9)	NA	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.39) J	ND(0.39) J	ND(0.43) J	ND(0.36)	NA	ND(0.38)
4-Aminobiphenyl	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
4-Bromophenyl-phenylether	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
4-Chloro-3-Methylphenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
4-Chloroaniline	ND(0.39) J	ND(0.39) J	R	ND(0.36)	NA	ND(0.38)
4-Chlorobenzilate	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
4-Chlorophenyl-phenylether	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
4-Nitroaniline	ND(2.0) J	ND(2.0) J	R	ND(1.9)	NA	ND(1.9)
4-Nitrophenol	ND(2.0) J	ND(2.0) J	ND(2.2) J	ND(1.9) J	NA	ND(1.9) J
4-Nitroquinoline-1-oxide	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
4-Phenylenediamine	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
5-Nitro-o-toluidine	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
7,12-Dimethylbenz(a)anthracene	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
a,a'-Dimethylphenethylamine	ND(0.78) J	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
Acenaphthene	ND(0.39)	ND(0.39)	R	0.15 J	NA	ND(0.38)
Acenaphthylene	ND(0.39)	ND(0.39)	0.35 J	0.96	NA	0.26 J
Acetophenone	ND(0.39)	ND(0.39)	R	ND(0.36) J	NA	ND(0.38)
Aniline	ND(0.39)	ND(0.39)	0.25 J	ND(0.36)	NA	ND(0.38)
Anthracene	ND(0.39)	0.14 J	0.13 J	1.2	NA	0.47
Aramite	ND(0.78) J	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
Benzidine	ND(0.78)	ND(0.79)	R	ND(0.73) J	NA	ND(0.76)
Benzo(a)anthracene	ND(0.39)	0.78	0.43 J	2.2	NA	1.6
Benzo(a)pyrene	ND(0.39)	0.95	0.72 J	1.9	NA	1.4
Benzo(b)fluoranthene	ND(0.39)	0.73	0.61 J	2.3	NA	1.6
Benzo(g,h,i)perylene	ND(0.39)	0.61	0.42 J	1.1	NA	0.95
Benzo(k)fluoranthene	ND(0.39)	0.78	0.17 J	0.79	NA	0.68
Benzyl Alcohol	ND(0.78) J	ND(0.79) J	ND(0.86) J	ND(0.73)	NA	ND(0.76)
bis(2-Chloroethoxy)methane	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
bis(2-Chloroethyl)ether	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
bis(2-Chloroisopropyl)ether	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
bis(2-Ethylhexyl)phthalate	ND(0.38) J	ND(0.39) J	R	ND(0.36)	NA	ND(0.38)
Butylbenzylphthalate	ND(0.39) J	ND(0.39) J	R	ND(0.36)	NA	ND(0.38)
Chrysene	ND(0.39)	0.90	0.48 J	1.8	NA	1.2
Diallate	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
Dibenzo(a,h)anthracene	ND(0.39)	0.18 J	R	0.30 J	NA	0.20 J
Dibenzofuran	ND(0.39)	ND(0.39)	R	0.38	NA	0.088 J
Diethylphthalate	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Dimethylphthalate	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Di-n-Butylphthalate	ND(0.39) J	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Di-n-Octylphthalate	ND(0.39) J	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Diphenylamine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I24 6-10 04/03/03	RAA11-I25 0-1 04/03/03	RAA11-J12-LP 8-10 04/16/03	RAA11-J16 3-6 04/15/03	RAA11-J16 4-6 04/15/03	RAA11-J17 1-3 04/14/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.39)	ND(0.39)	R	ND(0.36) J	NA	ND(0.38)
Fluoranthene	ND(0.39)	1.5	R	5.4	NA	2.8
Fluorene	ND(0.39)	ND(0.39)	R	0.45	NA	0.17 J
Hexachlorobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Hexachlorobutadiene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Hexachlorocyclopentadiene	ND(0.39) J	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Hexachloroethane	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Hexachlorophene	ND(0.78)	ND(0.79) J	R	ND(0.73) J	NA	ND(0.76)
Hexachloropropene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Indeno(1,2,3-cd)pyrene	ND(0.39)	0.44	0.29 J	0.98	NA	0.76
Isodrin	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Isophorone	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Isosafrole	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
Methapyrilene	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
Methyl Methanesulfonate	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Naphthalene	ND(0.39)	ND(0.39)	R	0.18 J	NA	ND(0.38)
Nitrobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
N-Nitrosodiethylamine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
N-Nitrosodimethylamine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
N-Nitroso-di-n-butylamine	ND(0.78)	ND(0.79) J	R	ND(0.73)	NA	ND(0.76)
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
N-Nitrosodiphenylamine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
N-Nitrosomethylethylamine	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
N-Nitrosomorpholine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
N-Nitrosopiperidine	ND(0.39)	ND(0.39)	0.11 J	ND(0.36)	NA	ND(0.38)
N-Nitrosopyrrolidine	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
o,o,o-Triethylphosphorothioate	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
o-Toluidine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
p-Dimethylaminoazobenzene	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
Pentachlorobenzene	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Pentachloroethane	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Pentachloronitrobenzene	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
Pentachlorophenol	ND(2.0)	ND(2.0)	ND(2.2) J	ND(1.9)	NA	ND(1.9)
Phenacetin	ND(0.78)	ND(0.79)	R	ND(0.73)	NA	ND(0.76)
Phenanthrene	ND(0.39)	1.0	0.18 J	3.6	NA	1.7
Phenol	ND(0.39)	ND(0.39)	ND(0.43) J	ND(0.36)	NA	ND(0.38)
Pronamide	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Pyrene	ND(0.39)	2.1	0.87 J	4.0	NA	2.8
Pyridine	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Safrole	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
Thionazin	ND(0.39)	ND(0.39)	R	ND(0.36)	NA	ND(0.38)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	ND(0.016)	NA	NA
4,4'-DDE	NA	NA	NA	ND(0.016)	NA	NA
4,4'-DDT	NA	NA	NA	ND(0.016)	NA	NA
Aldrin	NA	NA	NA	ND(0.0080)	NA	NA
Alpha-BHC	NA	NA	NA	ND(0.0080)	NA	NA
Alpha-Chlordane	NA	NA	NA	ND(0.0080)	NA	NA
Beta-BHC	NA	NA	NA	ND(0.0080)	NA	NA
Delta-BHC	NA	NA	NA	ND(0.0080)	NA	NA
Dieldrin	NA	NA	NA	ND(0.016)	NA	NA
Endosulfan I	NA	NA	NA	ND(0.016)	NA	NA
Endosulfan II	NA	NA	NA	ND(0.016)	NA	NA
Endosulfan Sulfate	NA	NA	NA	ND(0.016)	NA	NA
Endrin	NA	NA	NA	ND(0.016)	NA	NA
Endrin Aldehyde	NA	NA	NA	ND(0.016)	NA	NA
Endrin Ketone	NA	NA	NA	ND(0.016)	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.0080)	NA	NA
Gamma-Chlordane	NA	NA	NA	ND(0.0080)	NA	NA
Heptachlor	NA	NA	NA	ND(0.0080)	NA	NA
Heptachlor Epoxide	NA	NA	NA	ND(0.0080)	NA	NA
Kepone	NA	NA	NA	ND(0.36)	NA	NA
Methoxychlor	NA	NA	NA	ND(0.080)	NA	NA
Technical Chlordane	NA	NA	NA	ND(0.091)	NA	NA
Toxaphene	NA	NA	NA	ND(0.18)	NA	NA

**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-I24 6-10 04/03/03	RAA11-I25 0-1 04/03/03	RAA11-J12-LP 8-10 04/16/03	RAA11-J16 3-6 04/15/03	RAA11-J16 4-6 04/15/03	RAA11-J17 1-3 04/14/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	ND(1.9)	NA	NA
Disulfoton	NA	NA	NA	ND(0.73)	NA	NA
Ethyl Parathion	NA	NA	NA	ND(0.73)	NA	NA
Famphur	NA	NA	NA	ND(0.36)	NA	NA
Methyl Parathion	NA	NA	NA	ND(0.73)	NA	NA
Phorate	NA	NA	NA	ND(0.73)	NA	NA
Sulfotep	NA	NA	NA	ND(0.73)	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	ND(0.35)	NA	NA
2,4,5-TP	NA	NA	NA	ND(0.35)	NA	NA
2,4-D	NA	NA	NA	ND(0.80)	NA	NA
Dinoseb	NA	NA	NA	ND(0.36)	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	ND(0.000011)	0.000091 Y	NA	0.000017 Y	NA	0.000025 Y
TCDFs (total)	ND(0.000011)	0.000083	NA	0.00012 QJ	NA	0.00022
1,2,3,7,8-PeCDF	ND(0.000028)	ND(0.000050) X	NA	ND(0.000057) XQJ	NA	0.000027 J
2,3,4,7,8-PeCDF	ND(0.000028)	0.000017 J	NA	0.000019 QJ	NA	0.000021 J
PeCDFs (total)	ND(0.000028)	0.00017	NA	0.00015 QJ	NA	0.00026
1,2,3,4,7,8-HxCDF	ND(0.000028)	0.000069 J	NA	0.000014 J	NA	0.000038
1,2,3,6,7,8-HxCDF	0.0000071 J	ND(0.000053) X	NA	0.000085 J	NA	0.000023 J
1,2,3,7,8,9-HxCDF	ND(0.000028)	0.000025 J	NA	ND(0.000024) X	NA	ND(0.000041) X
2,3,4,6,7,8-HxCDF	ND(0.000028)	0.000012 J	NA	0.000013 J	NA	0.000014 J
HxCDFs (total)	ND(0.000012)	0.00014	NA	0.00016	NA	0.00025
1,2,3,4,6,7,8-HpCDF	ND(0.000028)	0.000015 J	NA	0.000024	NA	0.000065
1,2,3,4,7,8,9-HpCDF	ND(0.000028)	ND(0.000021) X	NA	0.000056 J	NA	0.000072 J
HpCDFs (total)	ND(0.000028)	0.000032	NA	0.000073	NA	0.00012
OCDF	ND(0.000055)	0.000013 J	NA	ND(0.000048)	NA	ND(0.000085)
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000012)	ND(0.000024)	NA	ND(0.000015)	NA	ND(0.000011)
TCDDs (total)	ND(0.000029)	ND(0.000024)	NA	ND(0.000017)	NA	ND(0.000024)
1,2,3,7,8-PeCDD	ND(0.000028)	ND(0.000027)	NA	ND(0.000019) X	NA	ND(0.000059) X
PeCDDs (total)	ND(0.000048)	0.000048	NA	0.000018 QJ	NA	0.000086 QJ
1,2,3,4,7,8-HxCDD	ND(0.000028)	ND(0.000020) X	NA	ND(0.000019) X	NA	0.000011 J
1,2,3,6,7,8-HxCDD	ND(0.000028)	ND(0.000020) X	NA	0.000036 J	NA	ND(0.000030) X
1,2,3,7,8,9-HxCDD	ND(0.000028)	ND(0.000027)	NA	ND(0.000028) X	NA	ND(0.000023) X
HxCDDs (total)	ND(0.000028)	0.000025	NA	0.000010	NA	0.000020
1,2,3,4,6,7,8-HpCDD	ND(0.000036)	0.000010 J	NA	0.000039	NA	0.000039
HpCDDs (total)	ND(0.000036)	0.000010	NA	ND(0.000074)	NA	0.000069
OCDD	ND(0.000071) X	0.000073	NA	0.00036	NA	0.00028
Total TEQs (WHO TEFs)	0.000038	0.000015	NA	0.000018	NA	0.000027
<b>Inorganics</b>						
Antimony	ND(6.00)	1.10 B	ND(6.00)	1.20 B	NA	ND(6.00)
Arsenic	2.60	6.30	5.30	11.0	NA	4.10
Barium	12.0 B	25.0	62.0	80.0	NA	25.0
Beryllium	0.130 B	0.230 B	0.370 B	ND(0.50)	NA	0.170 B
Cadmium	0.420 B	0.860	0.910	1.50	NA	0.220 B
Chromium	4.20	6.80	32.0	14.0	NA	6.90
Cobalt	5.70	8.00	8.70	9.70	NA	5.80
Copper	12.0	24.0	120	46.0	NA	15.0
Cyanide	0.0330 B	0.0510 B	0.150	0.0730 B	NA	0.0550 B
Lead	4.50	63.0	180	620	NA	48.0
Mercury	ND(0.120)	0.130	0.520	0.120	NA	0.0900 B
Nickel	8.70	12.0	14.0	16.0	NA	11.0
Selenium	ND(1.00) J	0.830 J	1.10 J	1.40 J	NA	ND(1.00) J
Silver	ND(1.00)	0.410 B	ND(1.00)	ND(1.00)	NA	ND(1.00)
Sulfide	72.0 J	13.0 J	25.0	39.0	NA	9.10
Thallium	ND(1.20) J	1.40 J	ND(1.30) J	ND(1.10)	NA	ND(1.10) J
Tin	ND(10.0)	ND(10.0)	21.0	ND(10.0)	NA	ND(10.0)
Vanadium	3.40 B	6.10	11.0	8.90	NA	6.90
Zinc	32.0	67.0	180	160	NA	58.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-J18 0-1 04/14/03	RAA11-J22 0-1 04/08/03	RAA11-K11 0-1 03/26/03	RAA11-K11 1-3 03/26/03	RAA11-K11 3-6 03/26/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,1,1-Trichloroethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,1,2,2-Tetrachloroethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,1,2-Trichloroethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,1-Dichloroethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,1-Dichloroethene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,2,3-Trichloropropane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,2-Dibromo-3-chloropropane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,2-Dibromoethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,2-Dichloroethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,2-Dichloropropane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
1,4-Dioxane	ND(0.12) J	ND(0.12) J	ND(0.14) J	ND(0.12) J	NA
2-Butanone	ND(0.012)	ND(0.012) J	ND(0.014)	ND(0.012)	NA
2-Chloro-1,3-butadiene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
2-Chloroethylvinylether	ND(0.0059)	ND(0.0061)	ND(0.0068) J	ND(0.0063) J	NA
2-Hexanone	ND(0.012)	ND(0.012)	ND(0.014)	ND(0.012)	NA
3-Chloropropene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
4-Methyl-2-pentanone	ND(0.012) J	ND(0.012) J	ND(0.014) J	ND(0.012) J	NA
Acetone	ND(0.024)	ND(0.024)	ND(0.027)	ND(0.025)	NA
Acetonitrile	ND(0.12) J	ND(0.12) J	ND(0.14) J	ND(0.12) J	NA
Acrolein	ND(0.12) J	ND(0.12) J	ND(0.14) J	ND(0.12) J	NA
Acrylonitrile	ND(0.0059) J	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Benzene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Bromodichloromethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Bromoform	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Bromomethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Carbon Disulfide	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Carbon Tetrachloride	ND(0.0059) J	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Chlorobenzene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Chloroethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Chloroform	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Chloromethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
cis-1,3-Dichloropropene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Dibromochloromethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Dibromomethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Dichlorodifluoromethane	ND(0.0059) J	ND(0.0061) J	ND(0.0068)	ND(0.0063)	NA
Ethyl Methacrylate	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Ethylbenzene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Iodomethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Isobutanol	ND(0.12) J	ND(0.12)	ND(0.14) J	ND(0.12) J	NA
Methacrylonitrile	ND(0.0059) J	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Methyl Methacrylate	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Methylene Chloride	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Propionitrile	ND(0.012) J	ND(0.012) J	ND(0.014) J	ND(0.012) J	NA
Styrene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Tetrachloroethene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Toluene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
trans-1,2-Dichloroethene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
trans-1,3-Dichloropropene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
trans-1,4-Dichloro-2-butene	ND(0.0059)	ND(0.0061) J	ND(0.0068)	ND(0.0063)	NA
Trichloroethene	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Trichlorofluoromethane	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Vinyl Acetate	ND(0.0059)	ND(0.0061)	ND(0.0068) J	ND(0.0063) J	NA
Vinyl Chloride	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
Xylenes (total)	ND(0.0059)	ND(0.0061)	ND(0.0068)	ND(0.0063)	NA
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.40)	ND(0.41)	ND(0.45) J	ND(0.42) J	ND(0.37) J
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.41) J	ND(0.45)	ND(0.42)	ND(0.37)
1,2-Dichlorobenzene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
1,2-Diphenylhydrazine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
1,3,5-Trinitrobenzene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
1,3-Dichlorobenzene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
1,3-Dinitrobenzene	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
1,4-Dichlorobenzene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
1,4-Naphthoquinone	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-J18 0-1 04/14/03	RAA11-J22 0-1 04/08/03	RAA11-K11 0-1 03/26/03	RAA11-K11 1-3 03/26/03	RAA11-K11 3-6 03/26/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
2,3,4,6-Tetrachlorophenol	ND(0.40)	ND(0.41)	ND(0.45) J	ND(0.42) J	ND(0.37) J
2,4,5-Trichlorophenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2,4,6-Trichlorophenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2,4-Dichlorophenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2,4-Dimethylphenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2,4-Dinitrophenol	ND(2.0) J	ND(2.1) J	ND(2.3) J	ND(2.1) J	ND(1.9) J
2,4-Dinitrotoluene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2,6-Dichlorophenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2,6-Dinitrotoluene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2-Acetylaminofluorene	ND(0.80)	ND(0.82) J	ND(0.91)	ND(0.84)	ND(0.75)
2-Chloronaphthalene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2-Chlorophenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2-Methylnaphthalene	ND(0.40)	ND(0.41)	ND(0.45)	0.11 J	0.18 J
2-Methylphenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
2-Naphthylamine	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
2-Nitroaniline	ND(2.0)	ND(2.1)	ND(2.3)	ND(2.1)	ND(1.9)
2-Nitrophenol	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
2-Picoline	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
3&4-Methylphenol	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
3,3'-Dichlorobenzidine	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
3,3'-Dimethylbenzidine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
3-Methylcholanthrene	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
3-Nitroaniline	ND(2.0)	ND(2.1)	ND(2.3)	ND(2.1)	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
4-Aminobiphenyl	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
4-Bromophenyl-phenylether	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
4-Chloro-3-Methylphenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
4-Chloroaniline	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
4-Chlorobenzilate	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
4-Chlorophenyl-phenylether	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
4-Nitroaniline	ND(2.0)	ND(2.1)	ND(2.3) J	ND(2.1) J	ND(1.9) J
4-Nitrophenol	ND(2.0) J	ND(2.1)	ND(2.3)	ND(2.1)	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
4-Phenylenediamine	ND(0.80)	ND(0.82)	ND(0.91) J	ND(0.84) J	ND(0.75) J
5-Nitro-o-toluidine	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
7,12-Dimethylbenz(a)anthracene	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
a,a'-Dimethylphenethylamine	ND(0.80)	ND(0.82)	ND(0.91) J	ND(0.84) J	ND(0.75) J
Acenaphthene	ND(0.40)	ND(0.41)	ND(0.45)	0.15 J	0.22 J
Acenaphthylene	ND(0.40)	0.19 J	0.15 J	0.34 J	0.74
Acetophenone	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Aniline	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Anthracene	ND(0.40)	0.17 J	0.18 J	0.50	0.80
Aramite	ND(0.80)	ND(0.82) J	ND(0.91)	ND(0.84)	ND(0.75)
Benzidine	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
Benzo(a)anthracene	ND(0.40)	0.61	0.83	1.8	2.6
Benzo(a)pyrene	ND(0.40)	0.58	0.84	2.0	3.1
Benzo(b)fluoranthene	ND(0.40)	0.63	0.57	1.2	3.2
Benzo(g,h,i)perylene	ND(0.40)	0.43	0.46	1.1	2.2
Benzo(k)fluoranthene	ND(0.40)	0.24 J	0.60	1.4	2.3
Benzyl Alcohol	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
bis(2-Chloroethoxy)methane	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
bis(2-Chloroethyl)ether	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
bis(2-Chloroisopropyl)ether	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.40)	ND(0.45)	ND(0.41)	ND(0.37)
Butylbenzylphthalate	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Chrysene	ND(0.40)	0.49	0.78	1.6	2.9
Diallate	ND(0.80)	ND(0.82)	ND(0.91) J	ND(0.84) J	ND(0.75) J
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	0.54
Dibenzofuran	ND(0.40)	ND(0.41)	ND(0.45)	0.12 J	0.37 J
Diethylphthalate	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Dimethylphthalate	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Di-n-Butylphthalate	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Di-n-Octylphthalate	ND(0.40)	ND(0.41) J	ND(0.45)	ND(0.42)	ND(0.37)
Diphenylamine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-J18 0-1 04/14/03	RAA11-J22 0-1 04/08/03	RAA11-K11 0-1 03/26/03	RAA11-K11 1-3 03/26/03	RAA11-K11 3-6 03/26/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.40)	ND(0.41) J	ND(0.45)	ND(0.42)	ND(0.37)
Fluoranthene	0.14 J	0.99	1.6	2.9	10
Fluorene	ND(0.40)	ND(0.41)	ND(0.45)	0.19 J	0.56
Hexachlorobenzene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Hexachlorobutadiene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Hexachlorocyclopentadiene	ND(0.40)	ND(0.41) J	ND(0.45)	ND(0.42)	ND(0.37)
Hexachloroethane	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Hexachlorophene	ND(0.80)	ND(0.82) J	ND(0.91) J	ND(0.84) J	ND(0.75) J
Hexachloropropene	ND(0.40)	ND(0.41)	ND(0.45) J	ND(0.42) J	ND(0.37) J
Indeno(1,2,3-cd)pyrene	ND(0.40)	0.33 J	0.39 J	1.0	1.9
Isodrin	ND(0.40)	ND(0.41)	ND(0.45) J	ND(0.42) J	ND(0.37) J
Isophorone	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Isosafrole	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
Methapyrilene	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
Methyl Methanesulfonate	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Naphthalene	ND(0.40)	ND(0.41)	ND(0.45)	0.18 J	0.47
Nitrobenzene	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
N-Nitrosodiethylamine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
N-Nitrosodimethylamine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
N-Nitroso-di-n-butylamine	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
N-Nitroso-di-n-propylamine	ND(0.40)	ND(0.41) J	ND(0.45)	ND(0.42)	ND(0.37)
N-Nitrosodiphenylamine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
N-Nitrosomethylethylamine	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
N-Nitrosomorpholine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
N-Nitrosopiperidine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
N-Nitrosopyrrolidine	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
o,o,o-Triethylphosphorothioate	ND(0.40)	ND(0.41)	ND(0.45) J	ND(0.42) J	ND(0.37) J
o-Toluidine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
p-Dimethylaminoazobenzene	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
Pentachlorobenzene	ND(0.40)	ND(0.41) J	ND(0.45) J	ND(0.42) J	ND(0.37) J
Pentachloroethane	ND(0.40)	ND(0.41)	ND(0.45) J	ND(0.42) J	ND(0.37) J
Pentachloronitrobenzene	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
Pentachlorophenol	ND(2.0)	ND(2.1)	ND(2.3)	ND(2.1)	ND(1.9)
Phenacetin	ND(0.80)	ND(0.82)	ND(0.91)	ND(0.84)	ND(0.75)
Phenanthrene	ND(0.40)	0.48	0.66	1.7	6.6
Phenol	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Pronamide	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Pyrene	0.16 J	0.98	1.4	2.6	13
Pyridine	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Safrole	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
Thionazin	ND(0.40)	ND(0.41)	ND(0.45)	ND(0.42)	ND(0.37)
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
4,4'-DDE	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
4,4'-DDT	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
Aldrin	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Alpha-BHC	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Alpha-Chlordane	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Beta-BHC	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Delta-BHC	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Dieldrin	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
Endosulfan I	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
Endosulfan II	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
Endosulfan Sulfate	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
Endrin	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
Endrin Aldehyde	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
Endrin Ketone	NA	NA	NA	ND(0.63) [ND(0.62)]	NA
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Gamma-Chlordane	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Heptachlor	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Heptachlor Epoxide	NA	NA	NA	ND(0.31) [ND(0.31)]	NA
Kepone	NA	NA	NA	ND(0.42) [ND(0.42)]	NA
Methoxychlor	NA	NA	NA	ND(3.1) [ND(3.1)]	NA
Technical Chlordane	NA	NA	NA	ND(5.2) [ND(5.2)]	NA
Toxaphene	NA	NA	NA	ND(5.2) [ND(5.2)]	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-J18 0-1 04/14/03	RAA11-J22 0-1 04/08/03	RAA11-K11 0-1 03/26/03	RAA11-K11 1-3 03/26/03	RAA11-K11 3-6 03/26/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	ND(2.1) [ND(2.1)]	NA
Disulfoton	NA	NA	NA	ND(0.84) [ND(0.84)]	NA
Ethyl Parathion	NA	NA	NA	ND(0.84) [ND(0.84)]	NA
Famphur	NA	NA	NA	ND(0.42) [ND(0.42)]	NA
Methyl Parathion	NA	NA	NA	ND(0.84) [ND(0.84)]	NA
Phorate	NA	NA	NA	ND(0.84) [ND(0.84)]	NA
Sulfotep	NA	NA	NA	ND(0.84) [ND(0.84)]	NA
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	ND(0.40) [ND(0.40)]	NA
2,4,5-TP	NA	NA	NA	ND(0.40) [ND(0.40)]	NA
2,4-D	NA	NA	NA	ND(0.80) [ND(0.80)]	NA
Dinoseb	NA	NA	NA	ND(0.42) [ND(0.42)]	NA
<b>Furans</b>					
2,3,7,8-TCDF	0.000034 Y	0.000014 Y	0.000051 Y	0.000024 Y	0.000018 Y
TCDFs (total)	0.0017 QJ	0.00013	0.00057	0.00026	0.00024 QJ
1,2,3,7,8-PeCDF	0.00028	0.0000045 J	0.000035	0.000012 J	0.0000069 J
2,3,4,7,8-PeCDF	0.00030	0.000025 J	0.00014	0.000060	0.000032
PeCDFs (total)	0.0029 QJ	0.00028	0.0013 I	0.00054 I	0.00015 QJ
1,2,3,4,7,8-HxCDF	0.00044	0.000082 J	0.000083	0.000034	0.000011 J
1,2,3,6,7,8-HxCDF	0.00043	ND(0.0000086) X	0.000052	0.000022 J	0.0000085 J
1,2,3,7,8,9-HxCDF	0.000023 QJ	ND(0.0000053)	ND(0.000019) X	ND(0.0000061) X	ND(0.0000014) QJ
2,3,4,6,7,8-HxCDF	0.000062	0.000016 J	0.00011	0.000043	0.000010 J
HxCDFs (total)	0.0022 QJ	0.00019	0.0017	0.00065	0.00030 QJ
1,2,3,4,6,7,8-HpCDF	0.00018	0.000028 J	0.00036	0.00013	0.000063
1,2,3,4,7,8,9-HpCDF	0.000028	0.0000037 J	0.000035	0.000014 J	0.0000030 J
HpCDFs (total)	0.00027	0.000064	0.00072	0.00027	0.00014
OCDF	0.000094	0.000031 J	0.00025	0.000087	0.000036 J
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.0000041) XQJ	ND(0.0000024)	ND(0.000018) X	ND(0.0000012)	ND(0.0000038)
TCDDs (total)	0.0000047 QJ	ND(0.0000024)	0.000015	ND(0.0000027)	ND(0.0000038)
1,2,3,7,8-PeCDD	ND(0.0000018) X	ND(0.0000038) X	ND(0.000011) X	ND(0.0000050) X	ND(0.0000026)
PeCDDs (total)	0.000012 QJ	0.0000035 QJ	0.000046	0.000018	ND(0.0000016) QJ
1,2,3,4,7,8-HxCDD	0.000015 J	0.0000030 J	ND(0.0000062) X	0.0000022 J	ND(0.0000011) X
1,2,3,6,7,8-HxCDD	0.0000030	0.0000030 J	0.000014 J	0.0000060 J	ND(0.0000039) X
1,2,3,7,8,9-HxCDD	0.0000025 J	ND(0.0000040)	ND(0.0000098) X	ND(0.0000042) X	0.0000031 QJ
HxCDDs (total)	0.000036	0.0000076	0.00015	0.000038	0.000028
1,2,3,4,6,7,8-HpCDD	0.000018	0.000026 J	0.00011	0.000055	0.000029
HpCDDs (total)	0.000038	0.000051	0.00022	0.00011	0.000057
OCDD	0.00015	0.00020	0.00073	0.00037	0.00019
Total TEQs (WHO TEFs)	0.00027	0.000022	0.00012	0.000049	0.000026
<b>Inorganics</b>					
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	7.00	7.40	5.30	7.00	13.0
Barium	23.0	39.0	64.0	56.0	67.0
Beryllium	0.210 B	0.220 B	0.380 B	0.360 B	0.280 B
Cadmium	0.170 B	0.490 B	0.800	0.650	0.710
Chromium	5.90	7.20	28.0	22.0	11.0
Cobalt	9.80	9.30	9.40	9.90	11.0
Copper	11.0	29.0	76.0	58.0	31.0
Cyanide	ND(0.240)	0.130	0.200	0.140	ND(0.220)
Lead	24.0	74.0	120	97.0	79.0
Mercury	0.0430 B	0.150	0.370	0.300	0.180
Nickel	13.0	13.0	16.0	18.0	15.0
Selenium	ND(1.00) J	0.620 J	1.40	1.50	1.30
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	11.0	ND(6.10)	26.0 J	16.0 J	25.0 J
Thallium	ND(1.20) J	ND(1.20) J	ND(1.40) J	ND(1.20) J	ND(1.10) J
Tin	ND(10.0)	ND(10.0)	14.0	ND(10.0)	ND(10.0)
Vanadium	6.90	7.60	13.0	13.0	11.0
Zinc	41.0	82.0	140	120	89.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K11 4-6 03/26/03	RAA11-K12-LP 8-10 04/17/03	RAA11-K13 0-1 04/15/03	RAA11-K15 0-1 04/15/03	RAA11-K15 10-12 04/15/03	RAA11-K15 10-15 04/15/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,1,1-Trichloroethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,1,2,2-Tetrachloroethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,1,2-Trichloroethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,1-Dichloroethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,1-Dichloroethene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,2,3-Trichloropropane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,2-Dibromo-3-chloropropane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,2-Dibromoethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,2-Dichloroethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,2-Dichloropropane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
1,4-Dioxane	ND(0.11) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA
2-Butanone	ND(0.011) J	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.011)	NA
2-Chloro-1,3-butadiene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
2-Chloroethylvinylether	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
2-Hexanone	ND(0.011) J	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.011)	NA
3-Chloropropene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
4-Methyl-2-pentanone	ND(0.011) J	ND(0.012) J	ND(0.012)	ND(0.012) J	ND(0.011) J	NA
Acetone	ND(0.022) J	ND(0.025)	ND(0.023)	ND(0.024)	0.014 J	NA
Acetonitrile	ND(0.11) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA
Acrolein	ND(0.11) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.11) J	NA
Acrylonitrile	ND(0.0056) J	ND(0.0063) J	ND(0.0059)	ND(0.0060) J	ND(0.0056) J	NA
Benzene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Bromodichloromethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Bromoforn	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Bromomethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Carbon Disulfide	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Carbon Tetrachloride	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060) J	ND(0.0056) J	NA
Chlorobenzene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Chloroethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Chloroform	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Chloromethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
cis-1,3-Dichloropropene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Dibromochloromethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Dibromomethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Dichlorodifluoromethane	ND(0.0056) J	ND(0.0063) J	ND(0.0059) J	ND(0.0060) J	ND(0.0056) J	NA
Ethyl Methacrylate	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Ethylbenzene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Iodomethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Isobutanol	ND(0.11) J	ND(0.12)	ND(0.12)	ND(0.12) J	ND(0.11) J	NA
Methacrylonitrile	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060) J	ND(0.0056) J	NA
Methyl Methacrylate	ND(0.0056) J	ND(0.0063) J	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Methylene Chloride	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Propionitrile	ND(0.011) J	ND(0.012) J	ND(0.012) J	ND(0.012) J	ND(0.011) J	NA
Styrene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Tetrachloroethene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Toluene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
trans-1,2-Dichloroethene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
trans-1,3-Dichloropropene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
trans-1,4-Dichloro-2-butene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Trichloroethene	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Trichlorofluoromethane	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Vinyl Acetate	ND(0.0056) J	ND(0.0063)	ND(0.0059) J	ND(0.0060)	ND(0.0056)	NA
Vinyl Chloride	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
Xylenes (total)	ND(0.0056) J	ND(0.0063)	ND(0.0059)	ND(0.0060)	ND(0.0056)	NA
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
1,2,4-Trichlorobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
1,2-Dichlorobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
1,2-Diphenylhydrazine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
1,3,5-Trinitrobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
1,3-Dichlorobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
1,3-Dinitrobenzene	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
1,4-Dichlorobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
1,4-Naphthoquinone	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K11 4-6 03/26/03	RAA11-K12-LP 8-10 04/17/03	RAA11-K13 0-1 04/15/03	RAA11-K15 0-1 04/15/03	RAA11-K15 10-12 04/15/03	RAA11-K15 10-15 04/15/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
2,3,4,6-Tetrachlorophenol	NA	ND(0.42) J	ND(0.39)	ND(0.40)	NA	ND(0.38) J
2,4,5-Trichlorophenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(0.38) J
2,4,6-Trichlorophenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(0.38) J
2,4-Dichlorophenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(0.38) J
2,4-Dimethylphenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(0.38) J
2,4-Dinitrophenol	NA	ND(2.1)	ND(2.0) J	ND(2.0) J	NA	ND(1.9) J
2,4-Dinitrotoluene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
2,6-Dichlorophenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(0.38) J
2,6-Dinitrotoluene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
2-Acetylaminofluorene	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
2-Chloronaphthalene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
2-Chlorophenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(0.38) J
2-Methylnaphthalene	NA	0.093 J	ND(0.39)	ND(0.40)	NA	R
2-Methylphenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
2-Naphthylamine	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
2-Nitroaniline	NA	ND(2.1)	ND(2.0)	ND(2.0)	NA	R
2-Nitrophenol	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	ND(1.9) J
2-Picoline	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
3&4-Methylphenol	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	ND(0.38) J
3,3'-Dichlorobenzidine	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
3,3'-Dimethylbenzidine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
3-Methylcholanthrene	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
3-Nitroaniline	NA	ND(2.1)	ND(2.0)	ND(2.0)	NA	R
4,6-Dinitro-2-methylphenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(1.9) J
4-Aminobiphenyl	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
4-Bromophenyl-phenylether	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
4-Chloro-3-Methylphenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(0.38) J
4-Chloroaniline	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
4-Chlorobenzilate	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
4-Chlorophenyl-phenylether	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
4-Nitroaniline	NA	ND(2.1)	ND(2.0)	ND(2.0)	NA	R
4-Nitrophenol	NA	ND(2.1)	ND(2.0) J	ND(2.0) J	NA	ND(1.9) J
4-Nitroquinoline-1-oxide	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
4-Phenylenediamine	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
5-Nitro-o-toluidine	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
7,12-Dimethylbenz(a)anthracene	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
a,a'-Dimethylphenethylamine	NA	ND(0.84) J	ND(0.79)	ND(0.80)	NA	R
Acenaphthene	NA	ND(0.42)	ND(0.39)	0.28 J	NA	R
Acenaphthylene	NA	0.69	0.29 J	0.086 J	NA	R
Acetophenone	NA	ND(0.42)	ND(0.39) J	ND(0.40) J	NA	R
Aniline	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Anthracene	NA	0.27 J	0.11 J	0.13 J	NA	R
Aramite	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
Benzidine	NA	ND(0.84) J	ND(0.79) J	ND(0.80) J	NA	R
Benzo(a)anthracene	NA	1.0	0.28 J	0.58	NA	R
Benzo(a)pyrene	NA	1.8	0.29 J	0.63	NA	R
Benzo(b)fluoranthene	NA	1.5	0.36 J	0.75	NA	R
Benzo(g,h,i)perylene	NA	1.2	ND(0.39)	0.41	NA	R
Benzo(k)fluoranthene	NA	0.62	0.14 J	0.36 J	NA	R
Benzyl Alcohol	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	ND(0.38) J
bis(2-Chloroethoxy)methane	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
bis(2-Chloroethyl)ether	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
bis(2-Chloroisopropyl)ether	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
bis(2-Ethylhexyl)phthalate	NA	ND(0.41)	ND(0.39)	ND(0.40)	NA	R
Butylbenzylphthalate	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Chrysene	NA	0.96	0.22 J	1.2	NA	R
Diallate	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
Dibenzo(a,h)anthracene	NA	0.23 J	ND(0.39)	0.12 J	NA	R
Dibenzofuran	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Diethylphthalate	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Dimethylphthalate	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Di-n-Butylphthalate	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Di-n-Octylphthalate	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Diphenylamine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K11 4-6 03/26/03	RAA11-K12-LP 8-10 04/17/03	RAA11-K13 0-1 04/15/03	RAA11-K15 0-1 04/15/03	RAA11-K15 10-12 04/15/03	RAA11-K15 10-15 04/15/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	NA	ND(0.42) J	ND(0.39) J	ND(0.40) J	NA	R
Fluoranthene	NA	1.0	0.56	1.1	NA	R
Fluorene	NA	0.090 J	ND(0.39)	ND(0.40)	NA	R
Hexachlorobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Hexachlorobutadiene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Hexachlorocyclopentadiene	NA	ND(0.42) J	ND(0.39)	ND(0.40)	NA	R
Hexachloroethane	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Hexachlorophene	NA	ND(0.84) J	ND(0.79) J	ND(0.80) J	NA	R
Hexachloropropene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Indeno(1,2,3-cd)pyrene	NA	0.88	0.18 J	0.32 J	NA	R
Isodrin	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Isophorone	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Isosafrole	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
Methapyrilene	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
Methyl Methanesulfonate	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Naphthalene	NA	0.18 J	ND(0.39)	ND(0.40)	NA	R
Nitrobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
N-Nitrosodiethylamine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
N-Nitrosodimethylamine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
N-Nitroso-di-n-butylamine	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
N-Nitroso-di-n-propylamine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
N-Nitrosodiphenylamine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
N-Nitrosomethylethylamine	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
N-Nitrosomorpholine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
N-Nitrosopiperidine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
N-Nitrosopyrrolidine	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
o,o,o-Triethylphosphorothioate	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
o-Toluidine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
p-Dimethylaminoazobenzene	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
Pentachlorobenzene	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Pentachloroethane	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Pentachloronitrobenzene	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
Pentachlorophenol	NA	ND(2.1)	ND(2.0)	ND(2.0)	NA	ND(0.76) J
Phenacetin	NA	ND(0.84)	ND(0.79)	ND(0.80)	NA	R
Phenanthrene	NA	0.31 J	0.22 J	0.54	NA	R
Phenol	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	ND(0.38) J
Pronamide	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Pyrene	NA	1.8	0.51	1.0	NA	R
Pyridine	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Safrole	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
Thionazin	NA	ND(0.42)	ND(0.39)	ND(0.40)	NA	R
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K11 4-6 03/26/03	RAA11-K12-LP 8-10 04/17/03	RAA11-K13 0-1 04/15/03	RAA11-K15 0-1 04/15/03	RAA11-K15 10-12 04/15/03	RAA11-K15 10-15 04/15/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	NA	NA	0.000013 Y	0.000080 J	NA	0.000075 J
TCDFs (total)	NA	NA	0.00010	0.000068 QJ	NA	0.000080 QJ
1,2,3,7,8-PeCDF	NA	NA	0.000010 J	ND(0.000030) X	NA	ND(0.000029) X
2,3,4,7,8-PeCDF	NA	NA	0.0000099 J	0.0000076 J	NA	0.000023
PeCDFs (total)	NA	NA	0.000067	0.000078 QJ	NA	0.000020 QJ
1,2,3,4,7,8-HxCDF	NA	NA	0.0000087 J	0.0000057 J	NA	0.0000073 J
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.0000057)	ND(0.0000042)	NA	ND(0.0000057)
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.0000026)	ND(0.0000023)	NA	ND(0.0000018)
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.0000061)	ND(0.0000036)	NA	0.000016 J
HxCDFs (total)	NA	NA	0.000075	0.000058	NA	0.000021
1,2,3,4,6,7,8-HpCDF	NA	NA	0.000014 J	0.000012 J	NA	0.000041
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.0000038)	ND(0.0000025)	NA	0.0000032 J
HpCDFs (total)	NA	NA	0.000026	0.000026	NA	0.000092
OCDF	NA	NA	ND(0.000015)	ND(0.000020)	NA	ND(0.000038)
<b>Dioxins</b>						
2,3,7,8-TCDD	NA	NA	ND(0.0000020)	ND(0.0000016)	NA	ND(0.0000018)
TCDDs (total)	NA	NA	ND(0.0000023) QJ	ND(0.0000027)	NA	ND(0.0000018)
1,2,3,7,8-PeCDD	NA	NA	ND(0.0000026)	ND(0.0000023)	NA	ND(0.0000058) X
PeCDDs (total)	NA	NA	ND(0.0000026) QJ	0.0000019 QJ	NA	0.0000032 QJ
1,2,3,4,7,8-HxCDD	NA	NA	ND(0.0000032)	ND(0.0000023)	NA	ND(0.0000020)
1,2,3,6,7,8-HxCDD	NA	NA	ND(0.0000028)	ND(0.0000023) X	NA	ND(0.0000041) X
1,2,3,7,8,9-HxCDD	NA	NA	ND(0.0000031)	ND(0.0000023)	NA	ND(0.0000019)
HxCDDs (total)	NA	NA	ND(0.0000019)	ND(0.0000037)	NA	0.000022
1,2,3,4,6,7,8-HpCDD	NA	NA	0.0000095 J	0.000028	NA	0.000028
HpCDDs (total)	NA	NA	0.000021	0.000053	NA	0.000055
OCDD	NA	NA	ND(0.000079)	0.000023	NA	0.000021
Total TEQs (WHO TEFs)	NA	NA	0.000011	0.0000085	NA	0.000020
<b>Inorganics</b>						
Antimony	NA	1.30 B	ND(6.00)	ND(6.00)	NA	ND(6.00)
Arsenic	NA	4.10	6.50	5.50	NA	13.0
Barium	NA	63.0	41.0	42.0	NA	35.0
Beryllium	NA	0.370 B	ND(0.50)	ND(0.50)	NA	ND(0.50)
Cadmium	NA	0.260 B	ND(0.50)	0.580	NA	ND(0.50)
Chromium	NA	30.0	7.00	6.90	NA	8.70
Cobalt	NA	8.10	9.00	7.00	NA	6.90
Copper	NA	120	33.0	29.0	NA	18.0
Cyanide	NA	0.280	0.0520 B	0.0830 B	NA	0.130 B
Lead	NA	180	140	110	NA	36.0
Mercury	NA	0.510	0.230	0.160	NA	0.230
Nickel	NA	15.0	14.0	12.0	NA	10.0
Selenium	NA	ND(1.00) J	0.680 J	0.830 J	NA	1.40 J
Silver	NA	ND(1.00)	ND(1.00)	ND(1.00)	NA	ND(1.00)
Sulfide	NA	8.00	35.0	9.60	NA	68.0
Thallium	NA	ND(1.20) J	ND(1.20)	ND(1.20)	NA	ND(1.10)
Tin	NA	18.0	ND(10.0)	ND(10.0)	NA	ND(10.0)
Vanadium	NA	11.0	11.0	8.60	NA	11.0
Zinc	NA	180	77.0	110	NA	39.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K17 0-1 04/10/03	RAA11-K17 6-10 04/10/03	RAA11-K17 8-10 04/10/03	RAA11-K19 0-1 04/09/03	RAA11-K21 0-1 04/09/03	RAA11-K23 0-1 04/03/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,1,1-Trichloroethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,1,2,2-Tetrachloroethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,1,2-Trichloroethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,1-Dichloroethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,1-Dichloroethene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,2,3-Trichloropropane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,2-Dibromo-3-chloropropane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,2-Dibromoethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,2-Dichloroethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,2-Dichloropropane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
1,4-Dioxane	ND(0.12) J	NA	ND(0.14) J	ND(0.12) J	ND(0.11) J	ND(0.12) J
2-Butanone	ND(0.012)	NA	ND(0.014)	ND(0.012)	ND(0.011)	ND(0.012)
2-Chloro-1,3-butadiene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
2-Chloroethylvinylether	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
2-Hexanone	ND(0.012)	NA	ND(0.014)	ND(0.012)	ND(0.011)	ND(0.012)
3-Chloropropene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
4-Methyl-2-pentanone	ND(0.012) J	NA	ND(0.014) J	ND(0.012) J	ND(0.011) J	ND(0.012) J
Acetone	0.040	NA	ND(0.028)	ND(0.024)	ND(0.022)	ND(0.024)
Acetonitrile	ND(0.12) J	NA	ND(0.14) J	ND(0.12) J	ND(0.11) J	ND(0.12) J
Acrolein	ND(0.12) J	NA	ND(0.14) J	ND(0.12) J	ND(0.11) J	ND(0.12) J
Acrylonitrile	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060) J
Benzene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Bromodichloromethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Bromoform	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Bromomethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Carbon Disulfide	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Carbon Tetrachloride	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Chlorobenzene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Chloroethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Chloroform	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Chloromethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
cis-1,3-Dichloropropene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Dibromochloromethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Dibromomethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Dichlorodifluoromethane	ND(0.0060) J	NA	ND(0.0069) J	ND(0.0060) J	ND(0.0056) J	ND(0.0060)
Ethyl Methacrylate	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Ethylbenzene	ND(0.0060)	NA	0.0061 J	ND(0.0060)	ND(0.0056)	ND(0.0060)
Iodomethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Isobutanol	ND(0.12)	NA	ND(0.14)	ND(0.12)	ND(0.11)	ND(0.12)
Methacrylonitrile	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Methyl Methacrylate	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Methylene Chloride	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Propionitrile	ND(0.012) J	NA	ND(0.014) J	ND(0.012) J	ND(0.011) J	ND(0.012) J
Styrene	ND(0.0060)	NA	0.0041 J	ND(0.0060)	ND(0.0056)	ND(0.0060)
Tetrachloroethene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Toluene	ND(0.0060)	NA	0.0071	ND(0.0060)	ND(0.0056)	ND(0.0060)
trans-1,2-Dichloroethene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
trans-1,3-Dichloropropene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
trans-1,4-Dichloro-2-butene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060) J	ND(0.0056) J	ND(0.0060)
Trichloroethene	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Trichlorofluoromethane	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Vinyl Acetate	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Vinyl Chloride	ND(0.0060)	NA	ND(0.0069)	ND(0.0060)	ND(0.0056)	ND(0.0060)
Xylenes (total)	ND(0.0060)	NA	0.024	ND(0.0060)	ND(0.0056)	ND(0.0060)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
1,2,4-Trichlorobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
1,2-Dichlorobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
1,2-Diphenylhydrazine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
1,3,5-Trinitrobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
1,3-Dichlorobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
1,3-Dinitrobenzene	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
1,4-Dichlorobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
1,4-Naphthoquinone	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K17 0-1 04/10/03	RAA11-K17 6-10 04/10/03	RAA11-K17 8-10 04/10/03	RAA11-K19 0-1 04/09/03	RAA11-K21 0-1 04/09/03	RAA11-K23 0-1 04/03/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
2,3,4,6-Tetrachlorophenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2,4,5-Trichlorophenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2,4,6-Trichlorophenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2,4-Dichlorophenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2,4-Dimethylphenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2,4-Dinitrophenol	ND(2.0) J	R	NA	ND(2.0) J	ND(1.9) J	ND(2.0) J
2,4-Dinitrotoluene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2,6-Dichlorophenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2,6-Dinitrotoluene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40) J
2-Acetylaminofluorene	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
2-Chloronaphthalene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2-Chlorophenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2-Methylnaphthalene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	0.091 J
2-Methylphenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
2-Naphthylamine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
2-Nitroaniline	ND(2.0)	R	NA	ND(2.0)	ND(1.9)	ND(2.0) J
2-Nitrophenol	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
2-Picoline	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
3&4-Methylphenol	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
3,3'-Dichlorobenzidine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80) J
3,3'-Dimethylbenzidine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
3-Methylcholanthrene	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
3-Nitroaniline	ND(2.0)	R	NA	ND(2.0)	ND(1.9)	ND(2.0) J
4,6-Dinitro-2-methylphenol	ND(0.40)	R	NA	ND(2.0)	ND(1.9)	ND(0.40) J
4-Aminobiphenyl	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
4-Bromophenyl-phenylether	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
4-Chloro-3-Methylphenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
4-Chloroaniline	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40) J
4-Chlorobenzilate	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
4-Chlorophenyl-phenylether	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
4-Nitroaniline	ND(2.0)	R	NA	ND(2.0)	ND(1.9)	ND(2.0) J
4-Nitrophenol	ND(2.0)	R	NA	ND(2.0) J	ND(1.9) J	ND(2.0) J
4-Nitroquinoline-1-oxide	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
4-Phenylenediamine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
5-Nitro-o-toluidine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
7,12-Dimethylbenz(a)anthracene	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
a,a'-Dimethylphenethylamine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
Acenaphthene	0.55	R	NA	ND(0.40)	ND(0.38)	0.13 J
Acenaphthylene	0.18 J	1.1 J	NA	ND(0.40)	ND(0.38)	0.43
Acetophenone	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Aniline	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Anthracene	0.11 J	R	NA	ND(0.40)	0.12 J	0.76
Aramite	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
Benzidine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80) J
Benzo(a)anthracene	0.26 J	1.1 J	NA	ND(0.40)	0.39	3.3
Benzo(a)pyrene	0.30 J	2.1 J	NA	ND(0.40)	0.32 J	3.1
Benzo(b)fluoranthene	0.34 J	1.7 J	NA	ND(0.40)	0.38	2.5
Benzo(g,h,i)perylene	0.23 J	1.3 J	NA	ND(0.40)	0.20 J	2.2
Benzo(k)fluoranthene	0.15 J	0.56 J	NA	ND(0.40)	0.18 J	2.3
Benzyl Alcohol	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80) J
bis(2-Chloroethoxy)methane	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
bis(2-Chloroethyl)ether	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
bis(2-Chloroisopropyl)ether	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
bis(2-Ethylhexyl)phthalate	ND(0.39)	R	NA	ND(0.40)	ND(0.38)	ND(0.39) J
Butylbenzylphthalate	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40) J
Chrysene	0.31 J	R	NA	ND(0.40)	0.26 J	3.6
Diallate	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
Dibenzo(a,h)anthracene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	0.84
Dibenzofuran	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	0.12 J
Diethylphthalate	ND(0.40)	0.28 J	NA	ND(0.40)	ND(0.38)	ND(0.40)
Dimethylphthalate	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Di-n-Butylphthalate	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Di-n-Octylphthalate	ND(0.40) J	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Diphenylamine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K17 0-1 04/10/03	RAA11-K17 6-10 04/10/03	RAA11-K17 8-10 04/10/03	RAA11-K19 0-1 04/09/03	RAA11-K21 0-1 04/09/03	RAA11-K23 0-1 04/03/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Fluoranthene	0.46	1.2 J	NA	ND(0.40)	0.68	5.9
Fluorene	ND(0.40)	0.12 J	NA	ND(0.40)	ND(0.38)	0.44
Hexachlorobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Hexachlorobutadiene	ND(0.40)	R	NA	ND(0.80)	ND(0.75)	ND(0.40)
Hexachlorocyclopentadiene	ND(0.40) J	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Hexachloroethane	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Hexachlorophene	ND(0.80) J	R	NA	ND(0.81) J	ND(0.76) J	ND(0.80)
Hexachloropropene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Indeno(1,2,3-cd)pyrene	0.19 J	0.84 J	NA	ND(0.40)	0.17 J	1.9
Isodrin	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Isophorone	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Isosafrole	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
Methapyrilene	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
Methyl Methanesulfonate	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Naphthalene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	0.11 J
Nitrobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
N-Nitrosodiethylamine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
N-Nitrosodimethylamine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
N-Nitroso-di-n-butylamine	ND(0.80)	R	NA	ND(0.81) J	ND(0.76) J	ND(0.80)
N-Nitroso-di-n-propylamine	ND(0.40)	R	NA	ND(0.80)	ND(0.75)	ND(0.40)
N-Nitrosodiphenylamine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
N-Nitrosomethylethylamine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
N-Nitrosomorpholine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
N-Nitrosopiperidine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
N-Nitrosopyrrolidine	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
o,o,o-Triethylphosphorothioate	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
o-Toluidine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
p-Dimethylaminoazobenzene	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
Pentachlorobenzene	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Pentachloroethane	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Pentachloronitrobenzene	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
Pentachlorophenol	ND(2.0)	R	NA	ND(2.0)	ND(1.9)	ND(2.0)
Phenacetin	ND(0.80)	R	NA	ND(0.81)	ND(0.76)	ND(0.80)
Phenanthrene	0.16 J	0.27 J	NA	ND(0.40)	0.34 J	4.8
Phenol	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Pronamide	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Pyrene	0.54	1.6 J	NA	ND(0.40)	0.65	7.0
Pyridine	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Safrole	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
Thionazin	ND(0.40)	R	NA	ND(0.40)	ND(0.38)	ND(0.40)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K17 0-1 04/10/03	RAA11-K17 6-10 04/10/03	RAA11-K17 8-10 04/10/03	RAA11-K19 0-1 04/09/03	RAA11-K21 0-1 04/09/03	RAA11-K23 0-1 04/03/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.00034 Y	ND(0.000020) J	NA	ND(0.000016) X	0.000090 J	0.000028 Y
TCDFs (total)	0.0026 I	ND(0.000010) QJ	NA	ND(0.000013)	0.000088	0.00037
1,2,3,7,8-PeCDF	0.00014	ND(0.000020) J	NA	ND(0.000029)	0.000049 J	0.000012 J
2,3,4,7,8-PeCDF	0.00025	0.000026 QJ	NA	ND(0.000013) X	0.000014 J	0.000085
PeCDFs (total)	0.0030	0.000013 QJ	NA	0.000031	0.00016	0.00042
1,2,3,4,7,8-HxCDF	0.00049	0.000018 J	NA	ND(0.000011) X	0.000012 J	0.000024 J
1,2,3,6,7,8-HxCDF	0.00025	ND(0.000022) X	NA	0.000013 J	0.000083 J	0.000023 J
1,2,3,7,8,9-HxCDF	ND(0.000050) X	ND(0.000027)	NA	ND(0.000029)	0.000021 J	0.000070 J
2,3,4,6,7,8-HxCDF	0.00018	ND(0.000027)	NA	ND(0.0000093) X	0.000088 J	0.000068
HxCDFs (total)	0.0027	0.000014	NA	0.000010	0.00012	0.00095
1,2,3,4,6,7,8-HpCDF	0.00050	ND(0.000030)	NA	0.000094 J	0.000023 J	0.000077
1,2,3,4,7,8,9-HpCDF	0.00012	ND(0.000027)	NA	ND(0.000029)	0.000040 J	ND(0.000013) X
HpCDFs (total)	0.00091	ND(0.000030)	NA	0.000094	0.000045	0.00019
OCDF	0.00054	0.000058 J	NA	0.000035 J	0.000036 J	0.00010
<b>Dioxins</b>						
2,3,7,8-TCDD	0.000023 J	ND(0.000016)	NA	ND(0.000012)	ND(0.000011)	ND(0.000038)
TCDDs (total)	0.00012	ND(0.000039)	NA	ND(0.000021)	ND(0.000011)	ND(0.000038)
1,2,3,7,8-PeCDD	ND(0.000042) X	ND(0.000027) QJ	NA	ND(0.000029)	ND(0.000012) X	ND(0.000019) X
PeCDDs (total)	0.00030 QJ	ND(0.000049)	NA	ND(0.000036)	0.000020	0.000040
1,2,3,4,7,8-HxCDD	0.000062 J	ND(0.000027)	NA	0.000023 J	ND(0.000027)	ND(0.000026) X
1,2,3,6,7,8-HxCDD	0.000011 J	ND(0.000018) X	NA	0.000023 J	0.000017 J	0.000053 J
1,2,3,7,8,9-HxCDD	0.000097 J	0.000022 QJ	NA	ND(0.000029)	ND(0.000027)	0.000040 J
HxCDDs (total)	0.00015	0.000022 QJ	NA	0.000023	0.000078	0.000038
1,2,3,4,6,7,8-HpCDD	0.000069	0.000054 J	NA	0.000056	0.000016 J	0.000032
HpCDDs (total)	0.00014	0.000097 QJ	NA	0.00010	0.000030	0.000060
OCDD	0.00032	ND(0.000019)	NA	0.00077	0.00012	0.00024
Total TEQs (WHO TEFs)	0.00029	0.000047	NA	0.000043	0.000013	0.000072
<b>Inorganics</b>						
Antimony	ND(6.00) J	ND(6.00) J	NA	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	5.70	6.80	NA	5.20	6.60	5.00
Barium	63.0	28.0	NA	30.0	59.0	33.0
Beryllium	0.200 B	0.300 B	NA	0.240 B	0.210 B	0.200 B
Cadmium	0.520	0.270 B	NA	0.450 B	0.440 B	0.840
Chromium	8.50	8.30	NA	7.60	7.40	8.00
Cobalt	7.60	8.10	NA	8.80	8.30	6.70
Copper	31.0	18.0	NA	23.0	21.0	28.0
Cyanide	ND(0.120)	ND(0.110)	NA	0.0550 B	0.0680 B	0.100 B
Lead	140	18.0	NA	31.0	84.0	110
Mercury	0.260 J	0.0730 J	NA	0.0520 B	0.290	0.230
Nickel	16.0	15.0	NA	15.0	13.0	11.0
Selenium	ND(1.00) J	ND(1.00) J	NA	0.620 J	0.610 J	ND(1.00) J
Silver	ND(1.00)	5.60	NA	ND(1.00)	ND(1.00)	0.360 B
Sulfide	15.0 J	54.0 J	NA	150	7.20	21.0 J
Thallium	ND(1.20) J	ND(1.10) J	NA	ND(1.20) J	ND(1.10) J	ND(1.20) J
Tin	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	9.80	10.0	NA	6.80	9.10	7.40
Zinc	140	50.0	NA	68.0	76.0	92.0



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K23 1-3 04/03/03	RAA11-K23 3-6 04/03/03	RAA11-K23 4-6 04/03/03	RAA11-K23 10-12 04/03/03	RAA11-K23 10-15 04/03/03	RAA11-K24 0-1 04/08/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,1,1-Trichloroethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,1,2,2-Tetrachloroethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,1,2-Trichloroethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,1-Dichloroethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,1-Dichloroethene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,2,3-Trichloropropane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,2-Dibromo-3-chloropropane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,2-Dibromoethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,2-Dichloroethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,2-Dichloropropane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
1,4-Dioxane	ND(0.11) J	NA	ND(0.12) J	ND(0.14) J	NA	ND(0.11) J
2-Butanone	ND(0.011)	NA	ND(0.012)	0.012 J	NA	ND(0.011) J
2-Chloro-1,3-butadiene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
2-Chloroethylvinylether	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
2-Hexanone	ND(0.011)	NA	ND(0.012)	ND(0.014)	NA	ND(0.011)
3-Chloropropene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
4-Methyl-2-pentanone	ND(0.011)	NA	ND(0.012)	ND(0.014)	NA	ND(0.011) J
Acetone	ND(0.023)	NA	0.016 J	0.020 J	NA	ND(0.022)
Acetonitrile	ND(0.11) J	NA	ND(0.12) J	ND(0.14) J	NA	ND(0.11) J
Acrolein	ND(0.11) J	NA	ND(0.12) J	ND(0.14) J	NA	ND(0.11) J
Acrylonitrile	ND(0.0057) J	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Benzene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Bromodichloromethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Bromoform	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Bromomethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Carbon Disulfide	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Carbon Tetrachloride	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Chlorobenzene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Chloroethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Chloroform	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Chloromethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
cis-1,3-Dichloropropene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Dibromochloromethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Dibromomethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Dichlorodifluoromethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070) J	NA	ND(0.0055) J
Ethyl Methacrylate	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Ethylbenzene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Iodomethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Isobutanol	ND(0.11)	NA	ND(0.12)	ND(0.14) J	NA	ND(0.11)
Methacrylonitrile	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Methyl Methacrylate	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Methylene Chloride	0.0033 J	NA	0.0054 J	ND(0.0070)	NA	ND(0.0055)
Propionitrile	ND(0.011) J	NA	ND(0.012) J	ND(0.014) J	NA	ND(0.011) J
Styrene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Tetrachloroethene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Toluene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
trans-1,2-Dichloroethene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
trans-1,3-Dichloropropene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
trans-1,4-Dichloro-2-butene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055) J
Trichloroethene	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Trichlorofluoromethane	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Vinyl Acetate	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Vinyl Chloride	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
Xylenes (total)	ND(0.0057)	NA	ND(0.0062)	ND(0.0070)	NA	ND(0.0055)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
1,2-Dichlorobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
1,2-Diphenylhydrazine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54) J	ND(0.37)
1,3,5-Trinitrobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
1,3-Dichlorobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
1,3-Dinitrobenzene	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
1,4-Dichlorobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
1,4-Naphthoquinone	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K23 1-3 04/03/03	RAA11-K23 3-6 04/03/03	RAA11-K23 4-6 04/03/03	RAA11-K23 10-12 04/03/03	RAA11-K23 10-15 04/03/03	RAA11-K24 0-1 04/08/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
2,3,4,6-Tetrachlorophenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2,4,5-Trichlorophenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2,4,6-Trichlorophenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2,4-Dichlorophenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2,4-Dimethylphenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2,4-Dinitrophenol	ND(1.9) J	ND(2.0) J	NA	NA	ND(2.7) J	ND(1.9) J
2,4-Dinitrotoluene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2,6-Dichlorophenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2,6-Dinitrotoluene	ND(0.38) J	ND(0.39) J	NA	NA	ND(0.54) J	ND(0.37)
2-Acetylaminofluorene	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74) J
2-Chloronaphthalene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2-Chlorophenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2-Methylnaphthalene	0.12 J	0.25 J	NA	NA	ND(0.54)	ND(0.37)
2-Methylphenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
2-Naphthylamine	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
2-Nitroaniline	ND(1.9) J	ND(2.0) J	NA	NA	ND(2.7) J	ND(1.9)
2-Nitrophenol	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
2-Picoline	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
3&4-Methylphenol	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
3,3'-Dichlorobenzidine	ND(0.76) J	ND(0.79) J	NA	NA	ND(1.1) J	ND(0.74)
3,3'-Dimethylbenzidine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
3-Methylcholanthrene	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
3-Nitroaniline	ND(1.9) J	ND(2.0) J	NA	NA	ND(2.7) J	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.38) J	ND(0.39) J	NA	NA	ND(0.54) J	ND(0.37)
4-Aminobiphenyl	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
4-Bromophenyl-phenylether	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
4-Chloro-3-Methylphenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
4-Chloroaniline	ND(0.38) J	ND(0.39) J	NA	NA	ND(0.54) J	ND(0.37)
4-Chlorobenzilate	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
4-Chlorophenyl-phenylether	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
4-Nitroaniline	ND(1.9) J	ND(2.0) J	NA	NA	ND(2.7) J	ND(1.9)
4-Nitrophenol	ND(1.9) J	ND(2.0) J	NA	NA	ND(2.7) J	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
4-Phenylenediamine	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
5-Nitro-o-toluidine	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
7,12-Dimethylbenz(a)anthracene	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
a,a'-Dimethylphenethylamine	ND(0.76)	ND(0.79) J	NA	NA	ND(1.1) J	ND(0.74)
Acenaphthene	0.13 J	0.31 J	NA	NA	ND(0.54)	ND(0.37)
Acenaphthylene	0.41	0.57	NA	NA	ND(0.54)	ND(0.37)
Acetophenone	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Aniline	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Anthracene	0.68	1.3	NA	NA	ND(0.54)	ND(0.37)
Aramite	ND(0.76)	ND(0.79)	NA	NA	ND(1.1) J	ND(0.74) J
Benzidine	ND(0.76) J	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
Benzo(a)anthracene	2.5	4.2	NA	NA	ND(0.54)	ND(0.37)
Benzo(a)pyrene	2.7	4.1	NA	NA	ND(0.54)	ND(0.37)
Benzo(b)fluoranthene	2.3	3.1	NA	NA	ND(0.54)	ND(0.37)
Benzo(g,h,i)perylene	2.0	2.8	NA	NA	ND(0.54)	ND(0.37)
Benzo(k)fluoranthene	1.8	2.8	NA	NA	ND(0.54)	ND(0.37)
Benzyl Alcohol	ND(0.76) J	ND(0.79) J	NA	NA	ND(1.1) J	ND(0.74)
bis(2-Chloroethoxy)methane	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
bis(2-Chloroethyl)ether	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
bis(2-Chloroisopropyl)ether	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
bis(2-Ethylhexyl)phthalate	ND(0.38) J	ND(0.39) J	NA	NA	ND(0.53) J	ND(0.36)
Butylbenzylphthalate	ND(0.38) J	ND(0.39) J	NA	NA	ND(0.54) J	ND(0.37)
Chrysene	2.9	4.7	NA	NA	ND(0.54)	ND(0.37)
Diallate	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
Dibenzo(a,h)anthracene	0.82	1.3	NA	NA	ND(0.54)	ND(0.37)
Dibenzofuran	0.14 J	0.32 J	NA	NA	ND(0.54)	ND(0.37)
Diethylphthalate	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Dimethylphthalate	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Di-n-Butylphthalate	ND(0.38)	ND(0.39)	NA	NA	ND(0.54) J	ND(0.37)
Di-n-Octylphthalate	ND(0.38)	ND(0.39)	NA	NA	ND(0.54) J	ND(0.37) J
Diphenylamine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K23 1-3 04/03/03	RAA11-K23 3-6 04/03/03	RAA11-K23 4-6 04/03/03	RAA11-K23 10-12 04/03/03	RAA11-K23 10-15 04/03/03	RAA11-K24 0-1 04/08/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37) J
Fluoranthene	4.5	8.3	NA	NA	ND(0.54)	0.092 J
Fluorene	0.46	0.80	NA	NA	ND(0.54)	ND(0.37)
Hexachlorobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Hexachlorobutadiene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Hexachlorocyclopentadiene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54) J	ND(0.37) J
Hexachloroethane	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Hexachlorophene	ND(0.76)	ND(0.79) J	NA	NA	ND(1.1)	ND(0.74) J
Hexachloropropene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Indeno(1,2,3-cd)pyrene	1.7	2.4	NA	NA	ND(0.54)	ND(0.37)
Isodrin	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Isophorone	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Isosafrole	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
Methapyrilene	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
Methyl Methanesulfonate	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Naphthalene	0.18 J	0.51	NA	NA	ND(0.54)	ND(0.37)
Nitrobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
N-Nitrosodiethylamine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
N-Nitrosodimethylamine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
N-Nitroso-di-n-butylamine	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
N-Nitroso-di-n-propylamine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
N-Nitrosodiphenylamine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
N-Nitrosomethylethylamine	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
N-Nitrosomorpholine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
N-Nitrosopiperidine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
N-Nitrosopyrrolidine	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
o,o,o-Triethylphosphorothioate	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
o-Toluidine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
p-Dimethylaminoazobenzene	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
Pentachlorobenzene	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37) J
Pentachloroethane	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Pentachloronitrobenzene	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
Pentachlorophenol	ND(1.9)	ND(2.0)	NA	NA	ND(2.7)	ND(1.9)
Phenacetin	ND(0.76)	ND(0.79)	NA	NA	ND(1.1)	ND(0.74)
Phenanthrene	4.0	7.2	NA	NA	ND(0.54)	ND(0.37)
Phenol	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Pronamide	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Pyrene	5.8	13	NA	NA	ND(0.54)	0.11 J
Pyridine	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Safrole	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
Thionazin	ND(0.38)	ND(0.39)	NA	NA	ND(0.54)	ND(0.37)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
4,4'-DDE	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
4,4'-DDT	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
Aldrin	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Alpha-BHC	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Alpha-Chlordane	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Beta-BHC	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Delta-BHC	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Dieldrin	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
Endosulfan I	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
Endosulfan II	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
Endosulfan Sulfate	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
Endrin	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
Endrin Aldehyde	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
Endrin Ketone	ND(0.11)	ND(0.12)	NA	NA	NA	ND(0.11)
Gamma-BHC (Lindane)	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Gamma-Chlordane	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Heptachlor	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Heptachlor Epoxide	ND(0.057)	ND(0.059)	NA	NA	NA	ND(0.055)
Kepone	ND(0.38)	ND(0.39)	NA	NA	NA	ND(0.37)
Methoxychlor	ND(0.57)	ND(0.59)	NA	NA	NA	ND(0.55)
Technical Chlordane	ND(0.95)	ND(0.98)	NA	NA	NA	ND(0.92)
Toxaphene	ND(0.95)	ND(0.98)	NA	NA	NA	ND(0.92)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-K23 1-3 04/03/03	RAA11-K23 3-6 04/03/03	RAA11-K23 4-6 04/03/03	RAA11-K23 10-12 04/03/03	RAA11-K23 10-15 04/03/03	RAA11-K24 0-1 04/08/03
<b>Organophosphate Pesticides</b>						
Dimethoate	ND(1.9)	ND(2.0)	NA	NA	NA	ND(1.9)
Disulfoton	ND(0.76)	ND(0.79)	NA	NA	NA	ND(0.74)
Ethyl Parathion	ND(0.76)	ND(0.79)	NA	NA	NA	ND(0.74)
Famphur	ND(0.38)	ND(0.39)	NA	NA	NA	ND(0.37)
Methyl Parathion	ND(0.76)	ND(0.79)	NA	NA	NA	ND(0.74)
Phorate	ND(0.76)	ND(0.79)	NA	NA	NA	ND(0.74)
Sulfotep	ND(0.76)	ND(0.79)	NA	NA	NA	ND(0.74)
<b>Herbicides</b>						
2,4,5-T	ND(0.36)	ND(0.38)	NA	NA	NA	ND(0.35)
2,4,5-TP	ND(0.36)	ND(0.38)	NA	NA	NA	ND(0.35)
2,4-D	ND(0.80)	ND(0.80)	NA	NA	NA	ND(0.80)
Dinoseb	ND(0.38)	ND(0.39)	NA	NA	NA	ND(0.36)
<b>Furans</b>						
2,3,7,8-TCDF	0.000026 Y	0.000023 Y	NA	NA	0.000016 J	0.000030 Y
TCDFs (total)	0.00031 QJ	0.00026 QJ	NA	NA	0.000016	0.00024
1,2,3,7,8-PeCDF	0.000087 QJ	0.000077 QJ	NA	NA	ND(0.000039)	0.000068 J
2,3,4,7,8-PeCDF	0.000092	0.000054 J	NA	NA	ND(0.000039)	0.000070 J
PeCDFs (total)	0.0011 QJ	0.00033 QJ	NA	NA	ND(0.000038)	0.000086
1,2,3,4,7,8-HxCDF	0.000018 QJ	0.000018 J	NA	NA	ND(0.000039)	0.000055 J
1,2,3,6,7,8-HxCDF	0.000019 J	0.000018 J	NA	NA	ND(0.000039)	0.000036 J
1,2,3,7,8,9-HxCDF	ND(0.000060) X	0.000054 J	NA	NA	ND(0.000039)	ND(0.000027)
2,3,4,6,7,8-HxCDF	0.000053	0.000044	NA	NA	ND(0.000039)	0.000035 J
HxCDFs (total)	0.00086	0.00070	NA	NA	ND(0.000038)	0.000051
1,2,3,4,6,7,8-HpCDF	0.000059	0.000056	NA	NA	ND(0.000039)	0.000016 J
1,2,3,4,7,8,9-HpCDF	0.000070 J	0.000065 J	NA	NA	ND(0.000039)	ND(0.000027)
HpCDFs (total)	0.00016	0.00014	NA	NA	ND(0.000038)	0.000030
OCDF	0.000044 J	ND(0.000039) X	NA	NA	ND(0.000077)	0.000016 J
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000016) X	ND(0.000021) X	NA	NA	ND(0.000015)	ND(0.000013)
TCDDs (total)	0.000021	ND(0.000048)	NA	NA	ND(0.000059)	0.000020
1,2,3,7,8-PeCDD	0.000022 QJ	ND(0.000086) XJ	NA	NA	ND(0.000039)	ND(0.000023) X
PeCDDs (total)	0.000013 QJ	0.000056 QJ	NA	NA	ND(0.000060)	0.000026
1,2,3,4,7,8-HxCDD	ND(0.000027) J	ND(0.000029)	NA	NA	ND(0.000039)	ND(0.000018) X
1,2,3,6,7,8-HxCDD	0.000049 J	ND(0.000043) X	NA	NA	ND(0.000039)	ND(0.000018) X
1,2,3,7,8,9-HxCDD	0.000038 J	ND(0.000025) X	NA	NA	ND(0.000039)	ND(0.000027)
HxCDDs (total)	0.000049	0.000051	NA	NA	ND(0.000076)	0.000025
1,2,3,4,6,7,8-HpCDD	0.000039	0.000025 J	NA	NA	ND(0.000043)	0.000015 J
HpCDDs (total)	0.000078	0.000053	NA	NA	ND(0.000042)	0.000026
OCDD	0.00027	0.00020	NA	NA	0.000013 J	0.000086
Total TEQs (WHO TEFs)	0.000063	0.000021	NA	NA	0.000054	0.000011
<b>Inorganics</b>						
Antimony	1.20 B	ND(6.00)	NA	NA	ND(6.00)	ND(6.00)
Arsenic	4.50	5.70	NA	NA	6.00	7.20
Barium	26.0	37.0	NA	NA	29.0 B	18.0 B
Beryllium	0.170 B	0.240 B	NA	NA	0.220 B	0.300 B
Cadmium	0.730	0.750	NA	NA	0.880	0.480 B
Chromium	6.10	9.00	NA	NA	7.80	9.20
Cobalt	5.50	6.80	NA	NA	8.40	9.40
Copper	21.0	28.0	NA	NA	27.0	22.0
Cyanide	ND(0.110)	0.100 B	NA	NA	0.0460 B	0.0910 B
Lead	80.0	100	NA	NA	75.0	35.0
Mercury	0.200	0.200	NA	NA	ND(0.160)	0.130
Nickel	9.00	12.0	NA	NA	13.0	15.0
Selenium	ND(1.00) J	ND(1.00) J	NA	NA	ND(1.20) J	0.840 J
Silver	0.440 B	ND(1.00)	NA	NA	ND(1.20)	ND(1.00)
Sulfide	13.0 J	32.0 J	NA	NA	44.0 J	16.0
Thallium	ND(1.10) J	1.40 J	NA	NA	ND(1.60) J	ND(1.10) J
Tin	ND(10.0)	ND(10.0)	NA	NA	ND(10.0)	ND(10.0)
Vanadium	5.70	7.30	NA	NA	7.20 B	8.70
Zinc	64.0	83.0	NA	NA	76.0	56.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-L12 0-1 04/16/03	RAA11-L18 1-3 04/14/03	RAA11-M10 3-6 03/25/03	RAA11-M10 10-15 03/25/03	RAA11-M11 0-1 03/26/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,1,1-Trichloroethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,1,2,2-Tetrachloroethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,1,2-Trichloroethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,1-Dichloroethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,1-Dichloroethene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,2,3-Trichloropropane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,2-Dibromo-3-chloropropane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,2-Dibromoethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,2-Dichloroethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,2-Dichloropropane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
1,4-Dioxane		ND(0.12) J	ND(0.12) J	NA	NA	ND(0.11) J
2-Butanone		ND(0.012)	ND(0.012)	NA	NA	ND(0.011)
2-Chloro-1,3-butadiene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
2-Chloroethylvinylether		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054) J
2-Hexanone		ND(0.012)	ND(0.012)	NA	NA	ND(0.011)
3-Chloropropene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
4-Methyl-2-pentanone		ND(0.012)	ND(0.012) J	NA	NA	ND(0.011) J
Acetone		ND(0.024)	ND(0.023)	NA	NA	ND(0.022)
Acetonitrile		ND(0.12) J	ND(0.12) J	NA	NA	ND(0.11) J
Acrolein		ND(0.12) J	ND(0.12) J	NA	NA	ND(0.11) J
Acrylonitrile		ND(0.0059)	ND(0.0058) J	NA	NA	ND(0.0054)
Benzene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Bromodichloromethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Bromoform		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Bromomethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Carbon Disulfide		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Carbon Tetrachloride		ND(0.0059)	ND(0.0058) J	NA	NA	ND(0.0054)
Chlorobenzene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Chloroethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Chloroform		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Chloromethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
cis-1,3-Dichloropropene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Dibromochloromethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Dibromomethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Dichlorodifluoromethane		ND(0.0059) J	ND(0.0058) J	NA	NA	ND(0.0054)
Ethyl Methacrylate		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Ethylbenzene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Iodomethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Isobutanol		ND(0.12)	ND(0.12) J	NA	NA	ND(0.11) J
Methacrylonitrile		ND(0.0059)	ND(0.0058) J	NA	NA	ND(0.0054)
Methyl Methacrylate		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Methylene Chloride		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Propionitrile		ND(0.012) J	ND(0.012) J	NA	NA	ND(0.011) J
Styrene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Tetrachloroethene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Toluene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
trans-1,2-Dichloroethene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
trans-1,3-Dichloropropene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
trans-1,4-Dichloro-2-butene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Trichloroethene		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Trichlorofluoromethane		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Vinyl Acetate		ND(0.0059) J	ND(0.0058)	NA	NA	ND(0.0054) J
Vinyl Chloride		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
Xylenes (total)		ND(0.0059)	ND(0.0058)	NA	NA	ND(0.0054)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36) J
1,2,4-Trichlorobenzene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
1,2-Dichlorobenzene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
1,2-Diphenylhydrazine		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
1,3,5-Trinitrobenzene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
1,3-Dichlorobenzene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
1,3-Dinitrobenzene		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
1,4-Dichlorobenzene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
1,4-Naphthoquinone		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-L12 0-1 04/16/03	RAA11-L18 1-3 04/14/03	RAA11-M10 3-6 03/25/03	RAA11-M10 10-15 03/25/03	RAA11-M11 0-1 03/26/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
2,3,4,6-Tetrachlorophenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36) J
2,4,5-Trichlorophenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2,4,6-Trichlorophenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2,4-Dichlorophenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2,4-Dimethylphenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2,4-Dinitrophenol		ND(2.0) J	ND(2.0) J	ND(1.8) J	ND(4.4) J	ND(1.8) J
2,4-Dinitrotoluene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2,6-Dichlorophenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2,6-Dinitrotoluene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	0.94
2-Acetylaminofluorene		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
2-Chloronaphthalene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2-Chlorophenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2-Methylnaphthalene		ND(0.39)	ND(0.39)	ND(0.36)	5.2	ND(0.36)
2-Methylphenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
2-Naphthylamine		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
2-Nitroaniline		ND(2.0)	ND(2.0)	ND(1.8) J	ND(4.4) J	ND(1.8)
2-Nitrophenol		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
2-Picoline		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
3&4-Methylphenol		ND(0.79) J	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
3,3'-Dichlorobenzidine		ND(0.79)	ND(0.78)	ND(0.73)	ND(1.7)	ND(0.73)
3,3'-Dimethylbenzidine		ND(0.39) J	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
3-Methylcholanthrene		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
3-Nitroaniline		ND(2.0)	ND(2.0)	ND(1.8)	ND(4.4)	ND(1.8)
4,6-Dinitro-2-methylphenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
4-Aminobiphenyl		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
4-Bromophenyl-phenylether		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
4-Chloro-3-Methylphenol		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
4-Chloroaniline		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
4-Chlorobenzilate		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
4-Chlorophenyl-phenylether		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
4-Nitroaniline		ND(2.0)	ND(2.0)	ND(1.8)	ND(2.2)	ND(1.8) J
4-Nitrophenol		ND(2.0)	ND(2.0) J	ND(1.8)	ND(4.4)	ND(1.8)
4-Nitroquinoline-1-oxide		ND(0.79) J	ND(0.78)	ND(0.73) J	ND(0.88) J	ND(0.73)
4-Phenylenediamine		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73) J
5-Nitro-o-toluidine		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
7,12-Dimethylbenz(a)anthracene		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
a,a'-Dimethylphenethylamine		ND(0.79)	ND(0.78)	ND(0.73) J	ND(0.88) J	ND(0.73) J
Acenaphthene		ND(0.39)	ND(0.39)	ND(0.36)	3.6	ND(0.36)
Acenaphthylene		0.12 J	ND(0.39)	ND(0.36)	ND(0.87)	0.091 J
Acetophenone		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Aniline		ND(0.39)	ND(0.39)	ND(0.36) J	ND(0.87) J	ND(0.36)
Anthracene		ND(0.39)	ND(0.39)	ND(0.36)	1.5	0.55
Aramite		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
Benzidine		ND(0.79) J	ND(0.78)	ND(0.73) J	ND(1.7) J	ND(0.73)
Benzo(a)anthracene		0.23 J	ND(0.39)	ND(0.36)	0.34 J	5.5
Benzo(a)pyrene		0.25 J	ND(0.39)	ND(0.36)	0.19 J	4.5
Benzo(b)fluoranthene		0.30 J	ND(0.39)	ND(0.36)	ND(0.87)	4.6
Benzo(g,h,i)perylene		0.16 J	ND(0.39)	ND(0.36)	ND(0.87)	2.1
Benzo(k)fluoranthene		0.11 J	ND(0.39)	ND(0.36)	ND(0.87)	3.4
Benzyl Alcohol		ND(0.79) J	ND(0.78)	ND(0.73)	ND(1.7)	ND(0.73)
bis(2-Chloroethoxy)methane		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
bis(2-Chloroethyl)ether		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
bis(2-Chloroisopropyl)ether		ND(0.39)	ND(0.39)	ND(0.36) J	ND(0.87) J	ND(0.36)
bis(2-Ethylhexyl)phthalate		0.49	ND(0.38)	ND(0.36)	ND(0.44)	ND(0.36)
Butylbenzylphthalate		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Chrysene		0.20 J	ND(0.39)	ND(0.36)	0.36 J	4.7
Diallate		ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73) J
Dibenzo(a,h)anthracene		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	1.0
Dibenzofuran		ND(0.39)	ND(0.39)	ND(0.36)	0.38 J	ND(0.36)
Diethylphthalate		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Dimethylphthalate		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Di-n-Butylphthalate		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Di-n-Octylphthalate		ND(0.39)	ND(0.39)	ND(0.36) J	ND(0.87) J	ND(0.36)
Diphenylamine		ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-L12 0-1 04/16/03	RAA11-L18 1-3 04/14/03	RAA11-M10 3-6 03/25/03	RAA11-M10 10-15 03/25/03	RAA11-M11 0-1 03/26/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.39) J	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Fluoranthene	0.33 J	0.10 J	0.094 J	1.6	11
Fluorene	ND(0.39)	ND(0.39)	ND(0.36)	1.8	0.086 J
Hexachlorobenzene	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Hexachlorobutadiene	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Hexachlorocyclopentadiene	ND(0.39) J	ND(0.39)	ND(0.36) J	ND(0.87) J	ND(0.36)
Hexachloroethane	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Hexachlorophene	ND(0.79) J	ND(0.78)	ND(0.73) J	ND(1.7) J	ND(0.73) J
Hexachloropropene	ND(0.39) J	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36) J
Indeno(1,2,3-cd)pyrene	0.14 J	ND(0.39)	ND(0.36)	ND(0.87)	2.1
Isodrin	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36) J
Isophorone	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Isosafrole	ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
Methapyrilene	ND(0.79)	ND(0.78)	ND(0.73) J	ND(0.88) J	ND(0.73)
Methyl Methanesulfonate	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Naphthalene	ND(0.39)	ND(0.39)	ND(0.36)	11	ND(0.36)
Nitrobenzene	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
N-Nitrosodiethylamine	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
N-Nitrosodimethylamine	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
N-Nitroso-di-n-butylamine	ND(0.79) J	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
N-Nitrosodiphenylamine	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
N-Nitrosomethylethylamine	ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
N-Nitrosomorpholine	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
N-Nitrosopiperidine	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
N-Nitrosopyrrolidine	ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
o,o'-Triethylphosphorothioate	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36) J
o-Toluidine	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
p-Dimethylaminoazobenzene	ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
Pentachlorobenzene	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36) J
Pentachloroethane	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36) J
Pentachloronitrobenzene	ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
Pentachlorophenol	ND(2.0)	ND(2.0)	ND(1.8)	ND(4.4)	ND(1.8)
Phenacetin	ND(0.79)	ND(0.78)	ND(0.73)	ND(0.88)	ND(0.73)
Phenanthrene	0.14 J	0.094 J	ND(0.36)	5.5	1.6
Phenol	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Pronamide	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Pyrene	0.41	0.14 J	ND(0.36)	1.9	9.6
Pyridine	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Safrole	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	ND(0.36)
Thionazin	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.87)	0.59
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-L12 0-1 04/16/03	RAA11-L18 1-3 04/14/03	RAA11-M10 3-6 03/25/03	RAA11-M10 10-15 03/25/03	RAA11-M11 0-1 03/26/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	0.000016 Y	0.0000047 Y	0.00000055 J	0.000062 Y	0.0000025 J
TCDFs (total)	0.00019	0.000036	0.0000034	0.00055 QJ	0.000038
1,2,3,7,8-PeCDF	0.000034	0.0000013 J	ND(0.00000049)	0.000052	ND(0.0000015)
2,3,4,7,8-PeCDF	0.000020 J	0.0000039	0.0000014 J	0.000060	0.0000072 J
PeCDFs (total)	0.00029	0.000034 QJ	0.000010	0.00050 QJ	0.000073
1,2,3,4,7,8-HxCDF	0.000017 J	0.0000027 J	0.00000061 J	0.00021	0.0000031 J
1,2,3,6,7,8-HxCDF	0.0000083 J	0.0000018 J	ND(0.00000077) X	0.000081	ND(0.0000025) X
1,2,3,7,8,9-HxCDF	ND(0.0000034) X	0.00000039 J	ND(0.00000098) X	0.000021 J	ND(0.0000018) X
2,3,4,6,7,8-HxCDF	0.000018 J	0.0000021 J	0.0000011 J	0.000048	ND(0.0000040) X
HxCDFs (total)	0.00025	0.000032	0.0000090	0.00072	0.000044
1,2,3,4,6,7,8-HpCDF	0.000050	0.0000049	0.0000026 J	0.00032	0.0000044 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000056) X	ND(0.00000071) X	ND(0.00000072) X	0.000033 J	ND(0.0000025)
HpCDFs (total)	0.000099	0.0000093	0.0000055	0.00042	0.0000096
OCDF	0.000036 J	0.0000048 J	0.0000054 J	0.00020	0.0000048 J
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.0000016)	ND(0.00000015)	ND(0.00000022)	ND(0.0000027) X	ND(0.0000029)
TCDDs (total)	ND(0.0000016)	0.00000016	ND(0.00000056)	0.000033	ND(0.0000029)
1,2,3,7,8-PeCDD	ND(0.0000066) X	ND(0.00000026) X	ND(0.00000037) X	0.0000042 J	ND(0.0000025)
PeCDDs (total)	0.0000062	0.00000020 QJ	0.00000042	0.000034 QJ	ND(0.0000025)
1,2,3,4,7,8-HxCDD	ND(0.0000024) X	0.00000023 J	0.00000034 J	0.0000031 J	ND(0.00000074) X
1,2,3,6,7,8-HxCDD	ND(0.0000034) X	ND(0.00000052)	ND(0.00000065) X	0.0000068 J	0.0000018 J
1,2,3,7,8,9-HxCDD	ND(0.0000025) X	ND(0.00000050)	ND(0.00000060) X	0.0000064 J	ND(0.0000025)
HxCDDs (total)	0.0000071	0.0000024	0.00000034	0.000050	0.0000018
1,2,3,4,6,7,8-HpCDD	0.000021 J	0.0000058	0.0000036 J	0.000039	0.0000069 J
HpCDDs (total)	0.000042	0.000013	0.0000036	0.000071	0.000012
OCDD	0.00014	0.000041	0.000023	0.00012	0.000042 J
Total TEQs (WHO TEFs)	0.000023	0.0000036	0.0000015	0.000086	0.0000078
<b>Inorganics</b>					
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	2.50 B	1.40 B
Arsenic	5.70	7.90	4.60	6.50	9.30
Barium	30.0	54.0	27.0	71.0	21.0
Beryllium	0.180 B	0.420 B	0.140 B	0.250 B	0.330 B
Cadmium	0.350 B	0.320 B	0.320 B	1.20	0.460 B
Chromium	13.0	17.0	5.70	35.0	7.50
Cobalt	7.60	10.0	6.90	8.40	7.20
Copper	22.0	20.0	15.0	250	22.0
Cyanide	0.110 B	0.0580 B	ND(0.220)	0.640	ND(0.220)
Lead	46.0	31.0	25.0	390	18.0
Mercury	0.180	0.120	ND(0.110)	0.610	0.140
Nickel	12.0	19.0	12.0	19.0	11.0
Selenium	1.30 J	ND(1.00) J	0.560 B	1.50	1.50
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	ND(5.90)	ND(5.80)	21.0	210	22.0 J
Thallium	ND(1.20) J	ND(1.20) J	ND(1.60) J	ND(2.00) J	ND(1.10) J
Tin	ND(17.0)	ND(10.0)	3.50 B	41.0	ND(10.0)
Vanadium	7.60	12.0	7.90	12.0	14.0
Zinc	63.0	92.0	44.0	320	47.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-M13 0-1 04/15/03	RAA11-M13 6-8 04/15/03	RAA11-M13 6-10 04/15/03	RAA11-M15 0-1 04/14/03	RAA11-M15 0-1 05/07/03	RAA11-M17 0-1 04/17/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,1,1-Trichloroethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,1,2,2-Tetrachloroethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,1,2-Trichloroethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,1-Dichloroethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,1-Dichloroethene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,2,3-Trichloropropane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,2-Dibromo-3-chloropropane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,2-Dibromoethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,2-Dichloroethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,2-Dichloropropane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
1,4-Dioxane	ND(0.11) J	ND(0.11) J	NA	ND(0.12)	NA	ND(0.11) J
2-Butanone	ND(0.011)	ND(0.011)	NA	ND(0.012) J	NA	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
2-Chloroethylvinylether	ND(0.0055)	ND(0.0054)	NA	ND(0.0059) J	NA	ND(0.0056)
2-Hexanone	ND(0.011)	ND(0.011)	NA	ND(0.012)	NA	ND(0.011)
3-Chloropropene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
4-Methyl-2-pentanone	ND(0.011) J	ND(0.011) J	NA	ND(0.012) J	NA	ND(0.011) J
Acetone	ND(0.022)	0.018 J	NA	ND(0.024)	NA	ND(0.022)
Acetonitrile	ND(0.11) J	ND(0.11) J	NA	ND(0.12) J	NA	ND(0.11) J
Acrolein	ND(0.11) J	ND(0.11) J	NA	ND(0.12) J	NA	ND(0.11) J
Acrylonitrile	ND(0.0055) J	ND(0.0054) J	NA	ND(0.0059)	NA	ND(0.0056) J
Benzene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Bromodichloromethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Bromoform	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Bromomethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Carbon Disulfide	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Carbon Tetrachloride	ND(0.0055) J	ND(0.0054) J	NA	ND(0.0059)	NA	ND(0.0056)
Chlorobenzene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Chloroethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Chloroform	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Chloromethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
cis-1,3-Dichloropropene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Dibromochloromethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Dibromomethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Dichlorodifluoromethane	ND(0.0055) J	ND(0.0054) J	NA	ND(0.0059)	NA	ND(0.0056) J
Ethyl Methacrylate	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Ethylbenzene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Iodomethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Isobutanol	ND(0.11) J	ND(0.11) J	NA	ND(0.12) J	NA	ND(0.11)
Methacrylonitrile	ND(0.0055) J	ND(0.0054) J	NA	ND(0.0059)	NA	ND(0.0056) J
Methyl Methacrylate	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056) J
Methylene Chloride	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Propionitrile	ND(0.011) J	ND(0.011) J	NA	ND(0.012) J	NA	ND(0.011) J
Styrene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Tetrachloroethene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Toluene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
trans-1,2-Dichloroethene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
trans-1,3-Dichloropropene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
trans-1,4-Dichloro-2-butene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Trichloroethene	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Trichlorofluoromethane	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Vinyl Acetate	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Vinyl Chloride	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
Xylenes (total)	ND(0.0055)	ND(0.0054)	NA	ND(0.0059)	NA	ND(0.0056)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
1,2-Dichlorobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
1,2-Diphenylhydrazine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
1,3,5-Trinitrobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
1,3-Dichlorobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
1,3-Dinitrobenzene	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
1,4-Dichlorobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
1,4-Naphthoquinone	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-M13 0-1 04/15/03	RAA11-M13 6-8 04/15/03	RAA11-M13 6-10 04/15/03	RAA11-M15 0-1 04/14/03	RAA11-M15 0-1 05/07/03	RAA11-M17 0-1 04/17/03
<b>Semivolatile Organics (continued)</b>							
1-Naphthylamine		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
2,3,4,6-Tetrachlorophenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38) J
2,4,5-Trichlorophenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2,4,6-Trichlorophenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2,4-Dichlorophenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2,4-Dimethylphenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2,4-Dinitrophenol		ND(0.38) J	NA	ND(1.9) J	ND(2.0) J	NA	ND(1.9)
2,4-Dinitrotoluene		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2,6-Dichlorophenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2,6-Dinitrotoluene		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2-Acetylaminofluorene		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
2-Chloronaphthalene		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2-Chlorophenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2-Methylnaphthalene		ND(0.37)	NA	0.24 J	ND(0.40)	NA	ND(0.38)
2-Methylphenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
2-Naphthylamine		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
2-Nitroaniline		ND(1.9)	NA	ND(1.9)	ND(2.0)	NA	ND(1.9)
2-Nitrophenol		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
2-Picoline		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
3&4-Methylphenol		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
3,3'-Dichlorobenzidine		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
3,3'-Dimethylbenzidine		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
3-Methylcholanthrene		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
3-Nitroaniline		ND(1.9)	NA	ND(1.9)	ND(2.0)	NA	ND(1.9)
4,6-Dinitro-2-methylphenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
4-Aminobiphenyl		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
4-Bromophenyl-phenylether		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
4-Chloro-3-Methylphenol		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
4-Chloroaniline		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
4-Chlorobenzilate		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
4-Chlorophenyl-phenylether		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
4-Nitroaniline		ND(1.9)	NA	ND(1.9)	ND(2.0)	NA	ND(1.9)
4-Nitrophenol		ND(1.9) J	NA	ND(1.9) J	ND(2.0) J	NA	ND(1.9)
4-Nitroquinoline-1-oxide		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
4-Phenylenediamine		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
5-Nitro-o-toluidine		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
7,12-Dimethylbenz(a)anthracene		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
a,a'-Dimethylphenethylamine		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76) J
Acenaphthene		ND(0.37)	NA	0.33 J	ND(0.40)	NA	ND(0.38)
Acenaphthylene		0.23 J	NA	0.60	0.086 J	NA	0.088 J
Acetophenone		ND(0.37) J	NA	ND(0.37) J	ND(0.40)	NA	ND(0.38)
Aniline		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Anthracene		0.12 J	NA	0.75	0.22 J	NA	ND(0.38)
Aramite		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
Benzidine		ND(0.74) J	NA	ND(0.75) J	ND(0.80)	NA	ND(0.76) J
Benzo(a)anthracene		0.32 J	NA	1.1	0.75	NA	0.22 J
Benzo(a)pyrene		0.31 J	NA	1.0	0.54	NA	0.29 J
Benzo(b)fluoranthene		0.36 J	NA	1.2	0.62	NA	0.33 J
Benzo(g,h,i)perylene		0.22 J	NA	0.57	0.30 J	NA	0.25 J
Benzo(k)fluoranthene		0.14 J	NA	0.50	0.27 J	NA	0.12 J
Benzyl Alcohol		ND(0.74)	NA	0.080 J	ND(0.80)	NA	ND(0.76)
bis(2-Chloroethoxy)methane		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
bis(2-Chloroethyl)ether		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
bis(2-Chloroisopropyl)ether		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
bis(2-Ethylhexyl)phthalate		ND(0.36)	NA	ND(0.37)	ND(0.39)	NA	ND(0.37)
Butylbenzylphthalate		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Chrysene		0.24 J	NA	0.87	0.52	NA	0.26 J
Diallate		ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
Dibenzo(a,h)anthracene		ND(0.37)	NA	0.16 J	ND(0.40)	NA	ND(0.38)
Dibenzofuran		ND(0.37)	NA	0.31 J	ND(0.40)	NA	ND(0.38)
Diethylphthalate		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Dimethylphthalate		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Di-n-Butylphthalate		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Di-n-Octylphthalate		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Diphenylamine		ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-M13 0-1 04/15/03	RAA11-M13 6-8 04/15/03	RAA11-M13 6-10 04/15/03	RAA11-M15 0-1 04/14/03	RAA11-M15 0-1 05/07/03	RAA11-M17 0-1 04/17/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.37) J	NA	ND(0.37) J	ND(0.40)	NA	ND(0.38) J
Fluoranthene	0.52	NA	3.0	1.3	NA	0.29 J
Fluorene	ND(0.37)	NA	0.53	ND(0.40)	NA	ND(0.38)
Hexachlorobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Hexachlorobutadiene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Hexachlorocyclopentadiene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38) J
Hexachloroethane	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Hexachlorophene	ND(0.74) J	NA	ND(0.75) J	ND(0.80)	NA	ND(0.76) J
Hexachloropropene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Indeno(1,2,3-cd)pyrene	0.17 J	NA	0.50	0.24 J	NA	0.18 J
Isodrin	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Isophorone	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Isosafrole	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
Methapyrilene	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
Methyl Methanesulfonate	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Naphthalene	ND(0.37)	NA	0.36 J	ND(0.40)	NA	ND(0.38)
Nitrobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
N-Nitrosodiethylamine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
N-Nitrosodimethylamine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
N-Nitroso-di-n-butylamine	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
N-Nitroso-di-n-propylamine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
N-Nitrosodiphenylamine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
N-Nitrosomethylethylamine	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
N-Nitrosomorpholine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
N-Nitrosopiperidine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
N-Nitrosopyrrolidine	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
o,o,o-Triethylphosphorothioate	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
o-Toluidine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
p-Dimethylaminoazobenzene	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
Pentachlorobenzene	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Pentachloroethane	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Pentachloronitrobenzene	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
Pentachlorophenol	ND(1.9)	NA	ND(1.9)	ND(2.0)	NA	ND(1.9)
Phenacetin	ND(0.74)	NA	ND(0.75)	ND(0.80)	NA	ND(0.76)
Phenanthrene	0.20 J	NA	2.1	0.74	NA	0.091 J
Phenol	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Pronamide	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Pyrene	0.51	NA	2.0	1.2	NA	0.32 J
Pyridine	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Safrole	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
Thionazin	ND(0.37)	NA	ND(0.37)	ND(0.40)	NA	ND(0.38)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	ND(0.016)	NA	NA	NA	ND(0.016)	NA
4,4'-DDE	ND(0.016)	NA	NA	NA	ND(0.016)	NA
4,4'-DDT	ND(0.016)	NA	NA	NA	ND(0.016)	NA
Aldrin	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Alpha-BHC	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Alpha-Chlordane	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Beta-BHC	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Delta-BHC	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Dieldrin	ND(0.016)	NA	NA	NA	ND(0.016)	NA
Endosulfan I	ND(0.016)	NA	NA	NA	ND(0.016)	NA
Endosulfan II	ND(0.016)	NA	NA	NA	ND(0.016)	NA
Endosulfan Sulfate	ND(0.016)	NA	NA	NA	ND(0.016)	NA
Endrin	ND(0.016)	NA	NA	NA	ND(0.016)	NA
Endrin Aldehyde	ND(0.016)	NA	NA	NA	ND(0.016)	NA
Endrin Ketone	ND(0.016)	NA	NA	NA	ND(0.016)	NA
Gamma-BHC (Lindane)	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Gamma-Chlordane	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Heptachlor	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Heptachlor Epoxide	ND(0.0080)	NA	NA	NA	ND(0.0080)	NA
Kepone	ND(0.37)	NA	NA	NA	ND(0.49)	NA
Methoxychlor	ND(0.080)	NA	NA	NA	ND(0.080)	NA
Technical Chlordane	ND(0.092)	NA	NA	NA	ND(0.094)	NA
Toxaphene	ND(0.18)	NA	NA	NA	ND(0.18)	NA

**TABLE B-1**  
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**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-M13 0-1 04/15/03	RAA11-M13 6-8 04/15/03	RAA11-M13 6-10 04/15/03	RAA11-M15 0-1 04/14/03	RAA11-M15 0-1 05/07/03	RAA11-M17 0-1 04/17/03
<b>Organophosphate Pesticides</b>						
Dimethoate	ND(1.9)	NA	NA	NA	ND(1.9)	NA
Disulfoton	ND(0.74)	NA	NA	NA	ND(0.75)	NA
Ethyl Parathion	ND(0.74)	NA	NA	NA	ND(0.75)	NA
Famphur	ND(0.37)	NA	NA	NA	ND(0.49)	NA
Methyl Parathion	ND(0.74)	NA	NA	NA	ND(0.75)	NA
Phorate	ND(0.74)	NA	NA	NA	ND(0.75)	NA
Sulfotep	ND(0.74)	NA	NA	NA	ND(0.75)	NA
<b>Herbicides</b>						
2,4,5-T	ND(0.35)	NA	NA	NA	ND(0.36)	NA
2,4,5-TP	ND(0.35)	NA	NA	NA	ND(0.36)	NA
2,4-D	ND(0.80)	NA	NA	NA	ND(0.80)	NA
Dinoseb	ND(0.37)	NA	NA	NA	ND(0.37)	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000039 J	NA	0.000040 J	0.000076 J	NA	0.000053 Y
TCDFs (total)	0.000037	NA	0.000048 QJ	0.000099	NA	0.000068
1,2,3,7,8-PeCDF	0.000028 J	NA	ND(0.000019) XQJ	0.000025	NA	0.000042
2,3,4,7,8-PeCDF	0.000039 J	NA	0.000010 J	0.000058 J	NA	0.00017
PeCDFs (total)	0.000037	NA	0.000094 QJ	0.00011 I	NA	0.0016
1,2,3,4,7,8-HxCDF	0.000032 J	NA	0.000036 J	0.000014 J	NA	0.00017
1,2,3,6,7,8-HxCDF	0.000024 J	NA	ND(0.000032) X	ND(0.000041)	NA	0.000077
1,2,3,7,8,9-HxCDF	ND(0.000025)	NA	ND(0.000036)	ND(0.000024)	NA	0.000041
2,3,4,6,7,8-HxCDF	0.000029 J	NA	ND(0.000068)	0.000053 J	NA	0.00019
HxCDFs (total)	0.000034	NA	0.000091	0.000073	NA	0.0022
1,2,3,4,6,7,8-HpCDF	0.000064 J	NA	0.000017 J	0.000016 J	NA	0.00020
1,2,3,4,7,8,9-HpCDF	ND(0.000025)	NA	0.000022 J	0.000027 J	NA	0.000048
HpCDFs (total)	0.000015	NA	0.000044	0.000018	NA	0.00054
OCDF	ND(0.000098) X	NA	ND(0.000031)	0.000032 J	NA	0.00014
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000015)	NA	ND(0.000013)	ND(0.0000098)	NA	0.000015 J
TCDDs (total)	ND(0.000025)	NA	ND(0.000016)	ND(0.000034)	NA	0.000010
1,2,3,7,8-PeCDD	ND(0.000016) X	NA	ND(0.000022)	ND(0.000010) X	NA	ND(0.000019)
PeCDDs (total)	ND(0.000047)	NA	0.000015 QJ	ND(0.000045)	NA	0.000086
1,2,3,4,7,8-HxCDD	ND(0.000031)	NA	ND(0.000034)	ND(0.000024)	NA	ND(0.000059)
1,2,3,6,7,8-HxCDD	ND(0.000028)	NA	ND(0.000030)	0.000029 J	NA	ND(0.000077)
1,2,3,7,8,9-HxCDD	ND(0.000031)	NA	ND(0.000034)	ND(0.000030) X	NA	ND(0.000072)
HxCDDs (total)	ND(0.000030)	NA	ND(0.000033)	0.000029	NA	0.000067
1,2,3,4,6,7,8-HpCDD	0.000097 J	NA	0.000020 J	0.000038	NA	0.000057
HpCDDs (total)	0.000017	NA	0.000020	0.000069	NA	0.00011
OCDD	0.000064	NA	0.00020	0.00038	NA	0.00024
Total TEQs (WHO TEFs)	0.000056	NA	0.000091	0.000093	NA	0.00015
<b>Inorganics</b>						
Antimony	ND(6.00)	NA	ND(6.00)	ND(6.00)	NA	6.10
Arsenic	8.20	NA	4.90	6.80	NA	6.00
Barium	28.0	NA	30.0	35.0	NA	71.0
Beryllium	ND(0.50)	NA	ND(0.50)	0.210 B	NA	0.240 B
Cadmium	ND(0.50)	NA	ND(0.50)	0.210 B	NA	ND(0.500)
Chromium	7.50	NA	5.40	7.20	NA	7.80
Cobalt	8.50	NA	8.60	6.90	NA	6.80
Copper	20.0	NA	24.0	18.0	NA	100
Cyanide	0.0440 B	NA	0.0750 B	0.0870 B	NA	0.0770 B
Lead	40.0	NA	30.0	110	NA	250
Mercury	0.0560 B	NA	0.110 B	0.200	NA	0.480
Nickel	15.0	NA	13.0	13.0	NA	14.0
Selenium	0.900 J	NA	1.30 J	ND(1.00) J	NA	ND(1.00) J
Silver	ND(1.00)	NA	ND(1.00)	ND(1.00)	NA	ND(1.00)
Sulfide	8.80	NA	39.0	7.60	NA	70.0
Thallium	ND(1.10)	NA	ND(1.10)	ND(1.20) J	NA	ND(1.10) J
Tin	ND(10.0)	NA	ND(10.0)	ND(10.0)	NA	35.0
Vanadium	7.90	NA	13.0	13.0	NA	8.20
Zinc	59.0	NA	45.0	76.0	NA	190

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-M17 6-8 04/17/03	RAA11-M17 6-10 04/17/03	RAA11-M17 10-12 04/17/03	RAA11-M17 10-15 04/17/03	RAA11-M19 0-1 04/09/03	RAA11-M21 0-1 04/03/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,1,1-Trichloroethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,1,2,2-Tetrachloroethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,1,2-Trichloroethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,1-Dichloroethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,1-Dichloroethene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,2,3-Trichloropropane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,2-Dibromo-3-chloropropane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,2-Dibromoethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,2-Dichloroethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,2-Dichloropropane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
1,4-Dioxane	ND(0.11) J	NA	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
2-Butanone	ND(0.011)	NA	ND(0.011)	NA	ND(0.011)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
2-Chloroethylvinylether	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
2-Hexanone	ND(0.011)	NA	ND(0.011)	NA	ND(0.011)	ND(0.011)
3-Chloropropene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
4-Methyl-2-pentanone	ND(0.011) J	NA	ND(0.011) J	NA	ND(0.011) J	ND(0.011)
Acetone	ND(0.022)	NA	ND(0.022)	NA	ND(0.023)	ND(0.022)
Acetonitrile	ND(0.11) J	NA	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
Acrolein	ND(0.11) J	NA	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
Acrylonitrile	ND(0.0055) J	NA	ND(0.0055) J	NA	ND(0.0057)	ND(0.0056)
Benzene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Bromodichloromethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Bromoform	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Bromomethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Carbon Disulfide	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Carbon Tetrachloride	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Chlorobenzene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Chloroethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Chloroform	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Chloromethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
cis-1,3-Dichloropropene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Dibromochloromethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Dibromomethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Dichlorodifluoromethane	ND(0.0055) J	NA	ND(0.0055) J	NA	ND(0.0057) J	ND(0.0056) J
Ethyl Methacrylate	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Ethylbenzene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Iodomethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Isobutanol	ND(0.11)	NA	ND(0.11)	NA	ND(0.11)	ND(0.11) J
Methacrylonitrile	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Methyl Methacrylate	ND(0.0055) J	NA	ND(0.0055) J	NA	ND(0.0057)	ND(0.0056)
Methylene Chloride	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Propionitrile	ND(0.011) J	NA	ND(0.011) J	NA	ND(0.011) J	ND(0.011) J
Styrene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Tetrachloroethene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Toluene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
trans-1,2-Dichloroethene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
trans-1,3-Dichloropropene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
trans-1,4-Dichloro-2-butene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057) J	ND(0.0056)
Trichloroethene	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Trichlorofluoromethane	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Vinyl Acetate	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Vinyl Chloride	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
Xylenes (total)	ND(0.0055)	NA	ND(0.0055)	NA	ND(0.0057)	ND(0.0056)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
1,2,4-Trichlorobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
1,2-Dichlorobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
1,2-Diphenylhydrazine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37) J
1,3,5-Trinitrobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
1,3-Dichlorobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
1,3-Dinitrobenzene	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75) J
1,4-Dichlorobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
1,4-Naphthoquinone	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)

**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-M17 6-8 04/17/03	RAA11-M17 6-10 04/17/03	RAA11-M17 10-12 04/17/03	RAA11-M17 10-15 04/17/03	RAA11-M19 0-1 04/09/03	RAA11-M21 0-1 04/03/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
2,3,4,6-Tetrachlorophenol	NA	ND(0.38) J	NA	ND(0.42) J	ND(0.38)	ND(0.37)
2,4,5-Trichlorophenol	NA	ND(0.38)	NA	ND(0.42)	ND(0.38)	ND(0.37)
2,4,6-Trichlorophenol	NA	ND(0.38)	NA	ND(0.42)	ND(0.38)	ND(0.37)
2,4-Dichlorophenol	NA	ND(0.38)	NA	ND(0.42)	ND(0.38)	ND(0.37)
2,4-Dimethylphenol	NA	ND(0.38)	NA	ND(0.42)	ND(0.38)	ND(0.37)
2,4-Dinitrophenol	NA	ND(1.9)	NA	ND(2.2)	ND(1.9) J	ND(1.9) J
2,4-Dinitrotoluene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
2,6-Dichlorophenol	NA	ND(0.38)	NA	ND(0.42)	ND(0.38)	ND(0.37)
2,6-Dinitrotoluene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37) J
2-Acetylaminofluorene	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
2-Chloronaphthalene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
2-Chlorophenol	NA	ND(0.38)	NA	ND(0.42)	ND(0.38)	ND(0.37)
2-Methylnaphthalene	NA	19	NA	ND(0.42) J	ND(0.38)	ND(0.37)
2-Methylphenol	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
2-Naphthylamine	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
2-Nitroaniline	NA	ND(1.9)	NA	ND(2.2) J	ND(1.9)	ND(1.9) J
2-Nitrophenol	NA	ND(0.76)	NA	ND(0.85)	ND(0.77)	ND(0.75)
2-Picoline	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
3&4-Methylphenol	NA	0.18 J	NA	ND(0.85)	ND(0.77)	ND(0.75)
3,3'-Dichlorobenzidine	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75) J
3,3'-Dimethylbenzidine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
3-Methylcholanthrene	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
3-Nitroaniline	NA	ND(1.9)	NA	ND(2.2) J	ND(1.9)	ND(1.9) J
4,6-Dinitro-2-methylphenol	NA	ND(0.38)	NA	ND(0.42)	ND(1.9)	ND(0.37) J
4-Aminobiphenyl	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
4-Bromophenyl-phenylether	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
4-Chloro-3-Methylphenol	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
4-Chloroaniline	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37) J
4-Chlorobenzilate	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
4-Chlorophenyl-phenylether	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
4-Nitroaniline	NA	ND(1.9)	NA	ND(2.2) J	ND(1.9)	ND(1.9) J
4-Nitrophenol	NA	ND(1.9)	NA	ND(2.2) J	ND(1.9) J	ND(1.9) J
4-Nitroquinoline-1-oxide	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
4-Phenylenediamine	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
5-Nitro-o-toluidine	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
7,12-Dimethylbenz(a)anthracene	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
a,a'-Dimethylphenethylamine	NA	ND(0.76) J	NA	ND(0.85) J	ND(0.77)	ND(0.75) J
Acenaphthene	NA	2.2	NA	ND(0.42) J	1.6	ND(0.37)
Acenaphthylene	NA	3.4	NA	ND(0.42) J	0.53	ND(0.37)
Acetophenone	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Aniline	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Anthracene	NA	7.1	NA	ND(0.42) J	0.46	ND(0.37)
Aramite	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
Benzidine	NA	ND(0.76) J	NA	ND(0.85) J	ND(0.77)	ND(0.75)
Benzo(a)anthracene	NA	7.0	NA	ND(0.42) J	1.8	ND(0.37)
Benzo(a)pyrene	NA	6.0	NA	0.11 J	1.6	0.077 J
Benzo(b)fluoranthene	NA	6.6	NA	ND(0.42) J	2.0	0.092 J
Benzo(g,h,i)perylene	NA	3.0	NA	0.097 J	1.2	ND(0.37)
Benzo(k)fluoranthene	NA	2.7	NA	ND(0.42) J	0.70	ND(0.37)
Benzyl Alcohol	NA	ND(0.76)	NA	ND(0.85)	ND(0.77)	ND(0.75) J
bis(2-Chloroethoxy)methane	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
bis(2-Chloroethyl)ether	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
bis(2-Chloroisopropyl)ether	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
bis(2-Ethylhexyl)phthalate	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37) J
Butylbenzylphthalate	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37) J
Chrysene	NA	6.2	NA	ND(0.42) J	1.2	0.079 J
Diallate	NA	ND(0.76)	NA	ND(0.42) J	ND(0.77)	ND(0.75)
Dibenzo(a,h)anthracene	NA	0.76	NA	ND(0.42) J	0.22 J	ND(0.37)
Dibenzofuran	NA	3.0	NA	ND(0.85) J	ND(0.38)	ND(0.37)
Diethylphthalate	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Dimethylphthalate	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Di-n-Butylphthalate	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Di-n-Octylphthalate	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Diphenylamine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)



**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-M17 6-8 04/17/03	RAA11-M17 6-10 04/17/03	RAA11-M17 10-12 04/17/03	RAA11-M17 10-15 04/17/03	RAA11-M19 0-1 04/09/03	RAA11-M21 0-1 04/03/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	NA	ND(0.38) J	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Fluoranthene	NA	37	NA	0.20 J	2.8	0.11 J
Fluorene	NA	16	NA	ND(0.42) J	0.13 J	ND(0.37)
Hexachlorobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Hexachlorobutadiene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.76)	ND(0.37)
Hexachlorocyclopentadiene	NA	ND(0.38) J	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Hexachloroethane	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Hexachlorophene	NA	ND(0.76) J	NA	ND(0.85) J	ND(0.77) J	ND(0.75) J
Hexachloropropene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37) J
Indeno(1,2,3-cd)pyrene	NA	2.4	NA	ND(0.42) J	1.0	ND(0.37)
Isodrin	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Isophorone	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Isosafrole	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
Methapyrilene	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75) J
Methyl Methanesulfonate	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Naphthalene	NA	23	NA	ND(0.85) J	0.097 J	ND(0.37)
Nitrobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
N-Nitrosodiethylamine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
N-Nitrosodimethylamine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
N-Nitroso-di-n-butylamine	NA	ND(0.76)	NA	ND(0.42) J	ND(0.77) J	ND(0.75) J
N-Nitroso-di-n-propylamine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.76)	ND(0.37)
N-Nitrosodiphenylamine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
N-Nitrosomethylethylamine	NA	ND(0.76)	NA	ND(0.42) J	ND(0.77)	ND(0.75)
N-Nitrosomorpholine	NA	ND(0.38)	NA	ND(0.85) J	ND(0.38)	ND(0.37)
N-Nitrosopiperidine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
N-Nitrosopyrrolidine	NA	ND(0.76)	NA	ND(0.42) J	ND(0.77)	ND(0.75)
o,o,o-Triethylphosphorothioate	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37) J
o-Toluidine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
p-Dimethylaminoazobenzene	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
Pentachlorobenzene	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37) J
Pentachloroethane	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Pentachloronitrobenzene	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
Pentachlorophenol	NA	ND(1.9)	NA	ND(2.2) J	ND(1.9)	ND(1.9)
Phenacetin	NA	ND(0.76)	NA	ND(0.85) J	ND(0.77)	ND(0.75)
Phenanthrene	NA	64	NA	ND(0.42) J	1.1	ND(0.37)
Phenol	NA	0.23 J	NA	ND(0.42)	ND(0.38)	ND(0.37)
Pronamide	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Pyrene	NA	40	NA	0.24 J	2.6	ND(0.37)
Pyridine	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Safrole	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
Thionazin	NA	ND(0.38)	NA	ND(0.42) J	ND(0.38)	ND(0.37)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-M17 6-8 04/17/03	RAA11-M17 6-10 04/17/03	RAA11-M17 10-12 04/17/03	RAA11-M17 10-15 04/17/03	RAA11-M19 0-1 04/09/03	RAA11-M21 0-1 04/03/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	NA	ND(0.0000047) XQJ	NA	0.000094 Y	0.00023 Y	0.0000041 J
TCDFs (total)	NA	0.000021 QJ	NA	0.0012	0.0021	0.000038
1,2,3,7,8-PeCDF	NA	0.0000029 QJ	NA	0.000020 J	0.00020	ND(0.0000027)
2,3,4,7,8-PeCDF	NA	0.0000041 QJ	NA	0.00032	0.00031	0.000019 J
PeCDFs (total)	NA	0.000028 QJ	NA	0.0025 QJ	0.0031 QJ	0.00018
1,2,3,4,7,8-HxCDF	NA	0.0000030 J	NA	0.000087	0.00055	ND(0.0000027)
1,2,3,6,7,8-HxCDF	NA	0.0000022 J	NA	0.000059	0.00032	0.0000051 J
1,2,3,7,8,9-HxCDF	NA	ND(0.0000027)	NA	ND(0.000023) X	0.000062	ND(0.0000027)
2,3,4,6,7,8-HxCDF	NA	0.0000029 J	NA	0.00023	0.00018	ND(0.000011) X
HxCDFs (total)	NA	0.000019	NA	0.0033	0.0031	0.00013
1,2,3,4,6,7,8-HpCDF	NA	0.0000048 J	NA	0.00034	0.00054	ND(0.0000089) X
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000031)	NA	0.000054	0.00011	ND(0.0000027)
HpCDFs (total)	NA	0.000010	NA	0.00086	0.00094	0.00012
OCDF	NA	0.0000096 J	NA	0.00028	0.00046	0.0000056 J
<b>Dioxins</b>						
2,3,7,8-TCDD	NA	ND(0.0000015) J	NA	ND(0.0000017) X	0.0000026 J	ND(0.0000021)
TCDDs (total)	NA	ND(0.0000040) J	NA	0.000059	0.000032	ND(0.0000021)
1,2,3,7,8-PeCDD	NA	ND(0.0000027) J	NA	ND(0.0000043)	ND(0.000016) X	ND(0.0000014) X
PeCDDs (total)	NA	ND(0.0000027) J	NA	0.000049	0.000099 QJ	ND(0.0000028)
1,2,3,4,7,8-HxCDD	NA	ND(0.0000027)	NA	0.000067 J	0.000075 J	ND(0.0000028)
1,2,3,6,7,8-HxCDD	NA	ND(0.0000027)	NA	ND(0.000011)	0.000018 J	ND(0.0000028)
1,2,3,7,8,9-HxCDD	NA	ND(0.0000027)	NA	ND(0.000010)	0.000013 J	ND(0.0000028)
HxCDDs (total)	NA	0.0000021	NA	0.000096	0.00021	0.0000019
1,2,3,4,6,7,8-HpCDD	NA	0.0000069 J	NA	0.000069	0.000089	ND(0.0000093) X
HpCDDs (total)	NA	0.000013	NA	0.00013	0.00019	0.0000066
OCDD	NA	0.000044 J	NA	0.00028	0.00039	0.000047 J
Total TEQs (WHO TEFs)	NA	0.0000060	NA	0.00022	0.00032	0.000014
<b>Inorganics</b>						
Antimony	NA	ND(6.00)	NA	ND(6.00)	1.10 B	ND(6.00)
Arsenic	NA	4.40	NA	4.20	7.30	4.30
Barium	NA	25.0	NA	33.0	49.0	15.0 B
Beryllium	NA	0.210 B	NA	0.250 B	0.230 B	0.120 B
Cadmium	NA	ND(0.500)	NA	ND(0.500)	0.540 B	0.620
Chromium	NA	5.00	NA	11.0	8.90	6.80
Cobalt	NA	5.10	NA	7.50	8.10	7.40
Copper	NA	15.0	NA	27.0	340	20.0
Cyanide	NA	ND(0.570)	NA	0.0900 B	0.0750 B	0.0460 B
Lead	NA	84.0	NA	30.0	100	22.0
Mercury	NA	0.0800 B	NA	0.130	0.220	0.0680 B
Nickel	NA	9.80	NA	12.0	14.0	12.0
Selenium	NA	ND(1.00) J	NA	ND(1.00) J	ND(1.00) J	ND(1.00) J
Silver	NA	ND(1.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	NA	56.0	NA	28.0	490	28.0 J
Thallium	NA	ND(1.10) J	NA	ND(1.30) J	ND(1.10) J	ND(1.10) J
Tin	NA	ND(10.0)	NA	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	NA	7.60	NA	8.60	9.00	4.50 B
Zinc	NA	73.0	NA	61.0	110	57.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-N14 0-1 04/21/03	RAA11-O9 0-1 04/18/03	RAA11-O11 0-1 04/18/03	RAA11-O12 1-3 04/18/03	RAA11-O12 3-6 04/18/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,1,1-Trichloroethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,1,2,2-Tetrachloroethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,1,2-Trichloroethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,1-Dichloroethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,1-Dichloroethene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,2,3-Trichloropropane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,2-Dibromo-3-chloropropane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,2-Dibromoethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,2-Dichloroethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,2-Dichloropropane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
1,4-Dioxane	ND(0.12)	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA
2-Butanone	ND(0.012)	ND(0.011)	ND(0.011)	ND(0.011)	NA
2-Chloro-1,3-butadiene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
2-Chloroethylvinylether	ND(0.0060) J	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
2-Hexanone	ND(0.012)	ND(0.011)	ND(0.011)	ND(0.011)	NA
3-Chloropropene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
4-Methyl-2-pentanone	ND(0.012)	ND(0.011) J	ND(0.011) J	ND(0.011) J	NA
Acetone	ND(0.024)	ND(0.022)	ND(0.022)	ND(0.022)	NA
Acetonitrile	ND(0.12) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA
Acrolein	ND(0.12) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA
Acrylonitrile	ND(0.0060) J	ND(0.0056) J	ND(0.0055) J	ND(0.0055) J	NA
Benzene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Bromodichloromethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Bromoform	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Bromomethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Carbon Disulfide	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Carbon Tetrachloride	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Chlorobenzene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Chloroethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Chloroform	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Chloromethane	ND(0.0060) J	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
cis-1,3-Dichloropropene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Dibromochloromethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Dibromomethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Dichlorodifluoromethane	ND(0.0060) J	ND(0.0056) J	ND(0.0055) J	ND(0.0055) J	NA
Ethyl Methacrylate	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Ethylbenzene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Iodomethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Isobutanol	ND(0.12) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA
Methacrylonitrile	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Methyl Methacrylate	ND(0.0060)	ND(0.0056) J	ND(0.0055) J	ND(0.0055) J	NA
Methylene Chloride	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Propionitrile	ND(0.012) J	ND(0.011) J	ND(0.011) J	ND(0.011) J	NA
Styrene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Tetrachloroethene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Toluene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
trans-1,2-Dichloroethene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
trans-1,3-Dichloropropene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
trans-1,4-Dichloro-2-butene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Trichloroethene	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Trichlorofluoromethane	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Vinyl Acetate	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Vinyl Chloride	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
Xylenes (total)	ND(0.0060)	ND(0.0056)	ND(0.0055)	ND(0.0055)	NA
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.40) J	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
1,2-Dichlorobenzene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
1,2-Diphenylhydrazine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
1,3,5-Trinitrobenzene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
1,3-Dichlorobenzene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
1,3-Dinitrobenzene	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
1,4-Dichlorobenzene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
1,4-Naphthoquinone	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-N14 0-1 04/21/03	RAA11-O9 0-1 04/18/03	RAA11-O11 0-1 04/18/03	RAA11-O12 1-3 04/18/03	RAA11-O12 3-6 04/18/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
2,3,4,6-Tetrachlorophenol	ND(0.40) J	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2,4,5-Trichlorophenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2,4,6-Trichlorophenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2,4-Dichlorophenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2,4-Dimethylphenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2,4-Dinitrophenol	ND(2.0) J	ND(1.9) J	ND(1.8) J	ND(1.9) J	ND(3.3) J
2,4-Dinitrotoluene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2,6-Dichlorophenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2,6-Dinitrotoluene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2-Acetylaminofluorene	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
2-Chloronaphthalene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2-Chlorophenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2-Methylnaphthalene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2-Methylphenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
2-Naphthylamine	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
2-Nitroaniline	ND(2.0)	ND(1.9)	ND(1.8)	ND(1.9)	ND(3.3) J
2-Nitrophenol	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
2-Picoline	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
3&4-Methylphenol	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74) J	ND(0.75) J
3,3'-Dichlorobenzidine	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(1.3) J
3,3'-Dimethylbenzidine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37) J	ND(0.67) J
3-Methylcholanthrene	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
3-Nitroaniline	ND(2.0)	ND(1.9)	ND(1.8)	ND(1.9)	ND(3.3) J
4,6-Dinitro-2-methylphenol	ND(0.40)	ND(0.38) J	ND(0.36) J	ND(0.37) J	ND(0.67) J
4-Aminobiphenyl	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
4-Bromophenyl-phenylether	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
4-Chloro-3-Methylphenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
4-Chloroaniline	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
4-Chlorobenzilate	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
4-Chlorophenyl-phenylether	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
4-Nitroaniline	ND(2.0)	ND(1.9)	ND(1.8)	ND(1.9)	ND(1.9) J
4-Nitrophenol	ND(2.0) J	ND(1.9)	ND(1.8)	ND(1.9)	ND(3.3) J
4-Nitroquinoline-1-oxide	ND(0.80) J	ND(0.76)	ND(0.73)	ND(0.74) J	ND(0.75) J
4-Phenylenediamine	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
5-Nitro-o-toluidine	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
7,12-Dimethylbenz(a)anthracene	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
a,a'-Dimethylphenethylamine	ND(0.80) J	ND(0.76) J	ND(0.73) J	ND(0.74)	ND(0.75) J
Acenaphthene	ND(0.40)	ND(0.38)	ND(0.36)	0.87	ND(0.67) J
Acenaphthylene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Acetophenone	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Aniline	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Anthracene	ND(0.40)	0.079 J	ND(0.36)	ND(0.37)	0.32 J
Aramite	ND(0.80) J	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
Benzidine	ND(0.80) J	ND(0.76)	ND(0.73)	ND(0.74) J	ND(1.3) J
Benzo(a)anthracene	ND(0.40)	0.18 J	ND(0.36)	0.98	0.61 J
Benzo(a)pyrene	ND(0.40)	0.19 J	ND(0.36)	0.74	0.56 J
Benzo(b)fluoranthene	0.40	0.23 J	ND(0.36)	0.89	0.74 J
Benzo(g,h,i)perylene	ND(0.40)	0.14 J	ND(0.36)	ND(0.37)	0.36 J
Benzo(k)fluoranthene	ND(0.40)	0.13 J	ND(0.36)	ND(0.37)	0.31 J
Benzyl Alcohol	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74) J	ND(1.3) J
bis(2-Chloroethoxy)methane	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
bis(2-Chloroethyl)ether	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
bis(2-Chloroisopropyl)ether	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.37)	ND(0.36)	ND(0.36)	ND(0.37) J
Butylbenzylphthalate	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Chrysene	ND(0.40)	0.20 J	ND(0.36)	0.67	0.60 J
Diallate	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.67) J
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Dibenzofuran	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.75) J
Diethylphthalate	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Dimethylphthalate	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Di-n-Butylphthalate	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Di-n-Octylphthalate	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Diphenylamine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-N14 0-1 04/21/03	RAA11-O9 0-1 04/18/03	RAA11-O11 0-1 04/18/03	RAA11-O12 1-3 04/18/03	RAA11-O12 3-6 04/18/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.40) J	ND(0.38)	ND(0.36)	ND(0.37) J	ND(0.67) J
Fluoranthene	0.46	0.39	ND(0.36)	2.1	1.3 J
Fluorene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	0.14 J
Hexachlorobenzene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Hexachlorobutadiene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Hexachlorocyclopentadiene	ND(0.40) J	ND(0.38) J	ND(0.36) J	ND(0.37) J	ND(0.67) J
Hexachloroethane	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Hexachlorophene	ND(0.80) J	ND(0.76) J	ND(0.73) J	ND(0.74) J	ND(1.3) J
Hexachloropropene	ND(0.40) J	ND(0.38)	ND(0.36)	ND(0.37) J	ND(0.67) J
Indeno(1,2,3-cd)pyrene	0.19 J	0.11 J	ND(0.36)	ND(0.37)	0.31 J
Isodrin	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Isophorone	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Isosafrole	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
Methapyrilene	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
Methyl Methanesulfonate	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Naphthalene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.75) J
Nitrobenzene	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
N-Nitrosodiethylamine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
N-Nitrosodimethylamine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
N-Nitroso-di-n-butylamine	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74) J	ND(0.67) J
N-Nitroso-di-n-propylamine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.75) J
N-Nitrosodiphenylamine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
N-Nitrosomethylethylamine	ND(0.80) J	ND(0.76) J	ND(0.73) J	ND(0.74)	ND(0.67) J
N-Nitrosomorpholine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.75) J
N-Nitrosopiperidine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
N-Nitrosopyrrolidine	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.67) J
o,o,o-Triethylphosphorothioate	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
o-Toluidine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
p-Dimethylaminoazobenzene	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
Pentachlorobenzene	ND(0.40) J	ND(0.38) J	ND(0.36) J	ND(0.37)	ND(0.67) J
Pentachloroethane	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Pentachloronitrobenzene	ND(0.80) J	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
Pentachlorophenol	ND(2.0)	ND(1.9)	ND(1.8)	ND(1.9)	ND(3.3) J
Phenacetin	ND(0.80)	ND(0.76)	ND(0.73)	ND(0.74)	ND(0.75) J
Phenanthrene	0.22 J	0.29 J	ND(0.36)	1.1	1.1 J
Phenol	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Pronamide	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Pyrene	0.46	0.38	ND(0.36)	1.5	1.1 J
Pyridine	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Safrole	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
Thionazin	ND(0.40)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.67) J
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
4,4'-DDE	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
4,4'-DDT	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
Aldrin	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Alpha-BHC	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Alpha-Chlordane	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Beta-BHC	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Delta-BHC	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Dieldrin	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
Endosulfan I	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
Endosulfan II	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
Endosulfan Sulfate	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
Endrin	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
Endrin Aldehyde	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
Endrin Ketone	NA	ND(0.016) [ND(0.016)]	NA	NA	NA
Gamma-BHC (Lindane)	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Gamma-Chlordane	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Heptachlor	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Heptachlor Epoxide	NA	ND(0.0080) [ND(0.0080)]	NA	NA	NA
Kepone	NA	ND(0.38) [ND(0.37)]	NA	NA	NA
Methoxychlor	NA	ND(0.080) [ND(0.080)]	NA	NA	NA
Technical Chlordane	NA	ND(0.094) [ND(0.093)]	NA	NA	NA
Toxaphene	NA	ND(0.18) [ND(0.18)]	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-N14 0-1 04/21/03	RAA11-O9 0-1 04/18/03	RAA11-O11 0-1 04/18/03	RAA11-O12 1-3 04/18/03	RAA11-O12 3-6 04/18/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	ND(1.9) [ND(1.9)]	NA	NA	NA
Disulfoton	NA	ND(0.76) [ND(0.75)]	NA	NA	NA
Ethyl Parathion	NA	ND(0.76) [ND(0.75)]	NA	NA	NA
Famphur	NA	ND(0.38) [ND(0.37)]	NA	NA	NA
Methyl Parathion	NA	ND(0.76) [ND(0.75)]	NA	NA	NA
Phorate	NA	ND(0.76) [ND(0.75)]	NA	NA	NA
Sulfotep	NA	ND(0.76) [ND(0.75)]	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	NA	ND(0.36) [ND(0.36)]	NA	NA	NA
2,4,5-TP	NA	ND(0.36) [ND(0.36)]	NA	NA	NA
2,4-D	NA	ND(0.80) [ND(0.80)]	NA	NA	NA
Dinoseb	NA	ND(0.38) [ND(0.37)]	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	ND(0.0000070) X	ND(0.0000024) X	ND(0.0000010) X	0.0000017 J	ND(0.0000088)
TCDFs (total)	0.00013 I	ND(0.0000091)	ND(0.0000086)	ND(0.0000093)	0.0000059
1,2,3,7,8-PeCDF	0.000056	ND(0.0000020)	ND(0.0000026) X	ND(0.0000020)	ND(0.0000070) X
2,3,4,7,8-PeCDF	0.0000089 J	ND(0.0000031) X	ND(0.0000017)	ND(0.0000036)	ND(0.0000025)
PeCDFs (total)	0.00027 I	0.000034 QJ	0.0000065	ND(0.0000030)	0.000017
1,2,3,4,7,8-HxCDF	0.000030	0.0000068 J	ND(0.0000017)	ND(0.0000027)	ND(0.0000024)
1,2,3,6,7,8-HxCDF	ND(0.0000042)	ND(0.0000024)	ND(0.0000017)	ND(0.0000024)	0.0000012 J
1,2,3,7,8,9-HxCDF	0.0000011 J	ND(0.0000032)	ND(0.0000017)	ND(0.0000032)	ND(0.0000024)
2,3,4,6,7,8-HxCDF	0.0000081 J	0.0000023 J	ND(0.0000017)	0.0000025 J	0.0000018 J
HxCDFs (total)	0.00014	0.000034	0.0000050	ND(0.000021)	0.000026
1,2,3,4,6,7,8-HpCDF	0.000014 J	ND(0.000016)	ND(0.0000018) X	ND(0.0000070)	ND(0.0000022)
1,2,3,4,7,8,9-HpCDF	ND(0.0000029)	ND(0.0000021)	ND(0.0000017)	ND(0.0000020)	ND(0.0000024)
HpCDFs (total)	0.000037	ND(0.000016)	0.0000022	ND(0.0000070)	0.000032
OCDF	0.000022 J	ND(0.000012) X	ND(0.0000041)	0.0000088 J	ND(0.000039)
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.0000010)	ND(0.0000010)	ND(0.0000068)	ND(0.0000093)	ND(0.0000094)
TCDDs (total)	ND(0.0000034)	ND(0.0000019)	ND(0.0000019)	ND(0.0000022)	ND(0.0000030)
1,2,3,7,8-PeCDD	ND(0.0000025)	ND(0.0000033)	ND(0.0000017)	ND(0.0000020)	ND(0.0000024)
PeCDDs (total)	0.0000051	ND(0.0000033)	ND(0.0000029)	ND(0.0000040)	ND(0.0000044)
1,2,3,4,7,8-HxCDD	ND(0.0000025)	ND(0.0000028)	ND(0.0000018)	ND(0.0000028)	ND(0.0000024)
1,2,3,6,7,8-HxCDD	0.0000020 J	ND(0.0000025)	ND(0.0000017)	ND(0.0000024)	0.0000013 J
1,2,3,7,8,9-HxCDD	0.0000013 J	ND(0.0000027)	ND(0.0000018)	ND(0.0000027)	ND(0.0000024)
HxCDDs (total)	0.000014	ND(0.0000026)	0.0000042	ND(0.0000034)	0.0000046
1,2,3,4,6,7,8-HpCDD	0.000023 J	ND(0.0000081)	0.0000028 J	ND(0.0000062)	ND(0.0000023)
HpCDDs (total)	0.000041	ND(0.000017)	0.0000055	ND(0.0000062)	0.000041
OCDD	0.00016	ND(0.000053)	0.000019 J	ND(0.000048)	0.00023
Total TEQs (WHO TEFs)	0.000014	0.0000048	0.0000024	0.0000037	0.0000038
<b>Inorganics</b>					
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	5.90	5.60	2.90	3.90	3.70
Barium	33.0	22.0	20.0 B	29.0	30.0
Beryllium	0.220 B	0.210 B	0.190 B	0.220 B	0.240 B
Cadmium	0.530	ND(0.500)	ND(0.500)	ND(0.500)	ND(0.500)
Chromium	7.00	8.00	5.80	5.80	5.60
Cobalt	7.20	8.00	5.80	6.20	6.90
Copper	20.0	23.0	13.0	20.0	23.0
Cyanide	0.0500 B	0.0410 B	ND(0.220)	ND(0.550)	ND(0.560)
Lead	64.0	27.0	28.0	42.0	18.0
Mercury	0.110 B	0.0280 B	ND(0.110)	0.0780 B	0.0580 B
Nickel	13.0	14.0	12.0	11.0	12.0
Selenium	0.640 B	ND(1.00) J	ND(1.00) J	ND(1.00) J	ND(1.00) J
Silver	0.220 B	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	ND(6.00)	7.20	10.0	8.80	21.0
Thallium	ND(1.20) J	ND(1.10) J	ND(1.10) J	ND(1.10) J	ND(1.10) J
Tin	ND(10.0)	ND(10.0)	9.00 B	ND(10.0)	ND(10.0)
Vanadium	7.70	7.80	5.70	6.50	6.60
Zinc	66.0	63.0	40.0	59.0	46.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-O12 4-6 04/18/03	RAA11-O13 0-1 04/17/03	RAA11-O15 0-1 04/22/03	RAA11-O17 0-1 04/22/03	RAA11-O19 0-1 04/22/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,1,1-Trichloroethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,1,2,2-Tetrachloroethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,1,2-Trichloroethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,1-Dichloroethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,1-Dichloroethene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,2,3-Trichloropropane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,2-Dibromo-3-chloropropane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,2-Dibromoethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,2-Dichloroethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,2-Dichloropropane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
1,4-Dioxane	ND(0.11) J	ND(0.11) J [ND(0.11) J]	ND(0.11) J	ND(0.11) J	ND(0.12) J
2-Butanone	ND(0.011)	ND(0.011) [ND(0.011)]	ND(0.011)	ND(0.011)	ND(0.012)
2-Chloro-1,3-butadiene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
2-Chloroethylvinylether	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
2-Hexanone	ND(0.011)	ND(0.011) [ND(0.011)]	ND(0.011)	ND(0.011)	ND(0.012)
3-Chloropropene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
4-Methyl-2-pentanone	ND(0.011) J	ND(0.011) J [ND(0.011) J]	ND(0.011)	ND(0.011)	ND(0.012)
Acetone	ND(0.023)	ND(0.023) [ND(0.023)]	ND(0.022) J	ND(0.023)	ND(0.024)
Acetonitrile	ND(0.11) J	ND(0.11) J [ND(0.11) J]	ND(0.11) J	ND(0.11) J	ND(0.12) J
Acrolein	ND(0.11) J	ND(0.11) J [ND(0.11) J]	ND(0.11) J	ND(0.11) J	ND(0.12) J
Acrylonitrile	ND(0.0057) J	ND(0.0057) J [ND(0.0056) J]	ND(0.0056) J	ND(0.0057) J	ND(0.0059) J
Benzene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Bromodichloromethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Bromoform	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Bromomethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Carbon Disulfide	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Carbon Tetrachloride	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Chlorobenzene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Chloroethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Chloroform	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Chloromethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
cis-1,3-Dichloropropene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Dibromochloromethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Dibromomethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Dichlorodifluoromethane	ND(0.0057) J	ND(0.0057) J [ND(0.0056) J]	ND(0.0056) J	ND(0.0057) J	ND(0.0059) J
Ethyl Methacrylate	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Ethylbenzene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Iodomethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Isobutanol	ND(0.11) J	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.12)
Methacrylonitrile	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Methyl Methacrylate	ND(0.0057) J	ND(0.0057) J [ND(0.0056) J]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Methylene Chloride	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Propionitrile	ND(0.011) J	ND(0.011) J [ND(0.011) J]	ND(0.011) J	ND(0.011) J	ND(0.012) J
Styrene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Tetrachloroethene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Toluene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
trans-1,2-Dichloroethene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
trans-1,3-Dichloropropene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
trans-1,4-Dichloro-2-butene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Trichloroethene	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Trichlorofluoromethane	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Vinyl Acetate	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Vinyl Chloride	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
Xylenes (total)	ND(0.0057)	ND(0.0057) [ND(0.0056)]	ND(0.0056)	ND(0.0057)	ND(0.0059)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8) J	ND(0.38) J	ND(0.39) J
1,2,4-Trichlorobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	0.89
1,2-Dichlorobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
1,2-Diphenylhydrazine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
1,3,5-Trinitrobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
1,3-Dichlorobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
1,3-Dinitrobenzene	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
1,4-Dichlorobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	0.30 J
1,4-Naphthoquinone	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-O12 4-6 04/18/03	RAA11-O13 0-1 04/17/03	RAA11-O15 0-1 04/22/03	RAA11-O17 0-1 04/22/03	RAA11-O19 0-1 04/22/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
2,3,4,6-Tetrachlorophenol	NA	ND(0.38) J [ND(0.38) J]	ND(3.8) J	ND(0.38) J	ND(0.39) J
2,4,5-Trichlorophenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2,4,6-Trichlorophenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2,4-Dichlorophenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2,4-Dimethylphenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2,4-Dinitrophenol	NA	ND(1.9) [ND(1.9)]	ND(19)	ND(2.0)	ND(2.0)
2,4-Dinitrotoluene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2,6-Dichlorophenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2,6-Dinitrotoluene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2-Acetylaminofluorene	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
2-Chloronaphthalene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2-Chlorophenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
2-Methylnaphthalene	NA	ND(0.38) [ND(0.38)]	1.5 J	ND(0.38)	0.10 J
2-Methylphenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	0.24 J
2-Naphthylamine	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
2-Nitroaniline	NA	ND(1.9) [ND(1.9)]	ND(19)	ND(2.0)	ND(2.0)
2-Nitrophenol	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
2-Picoline	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
3&4-Methylphenol	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	0.26 J
3,3'-Dichlorobenzidine	NA	ND(0.76) [ND(0.76)]	ND(7.5)	ND(0.77)	ND(0.79)
3,3'-Dimethylbenzidine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
3-Methylcholanthrene	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
3-Nitroaniline	NA	ND(1.9) [ND(1.9)]	ND(19)	ND(2.0)	ND(2.0)
4,6-Dinitro-2-methylphenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
4-Aminobiphenyl	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
4-Bromophenyl-phenylether	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
4-Chloro-3-Methylphenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
4-Chloroaniline	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
4-Chlorobenzilate	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
4-Chlorophenyl-phenylether	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
4-Nitroaniline	NA	ND(1.9) [ND(1.9)]	ND(3.8)	ND(2.0)	ND(2.0)
4-Nitrophenol	NA	ND(1.9) [ND(1.9)]	ND(19)	ND(2.0)	ND(2.0)
4-Nitroquinoline-1-oxide	NA	ND(0.76) [ND(0.76)]	ND(3.8) J	ND(0.77) J	ND(0.79) J
4-Phenylenediamine	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
5-Nitro-o-toluidine	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
7,12-Dimethylbenz(a)anthracene	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
a,a'-Dimethylphenethylamine	NA	ND(0.76) J [ND(0.76) J]	ND(3.8) J	ND(0.77) J	ND(0.79) J
Acenaphthene	NA	0.15 J [ND(0.38)]	1.6 J	ND(0.38)	0.32 J
Acenaphthylene	NA	ND(0.38) [ND(0.38)]	3.2 J	0.27 J	ND(0.39)
Acetophenone	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Aniline	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	4.3
Anthracene	NA	ND(0.38) [0.13 J]	6.5	0.24 J	0.74
Aramite	NA	ND(0.76) [ND(0.76)]	ND(3.8) J	ND(0.77) J	ND(0.79) J
Benzidine	NA	ND(0.76) J [ND(0.76) J]	ND(7.5) J	ND(0.77) J	ND(0.79) J
Benzo(a)anthracene	NA	0.18 J [0.29 J]	13	0.84	1.3
Benzo(a)pyrene	NA	0.18 J [0.22 J]	12	0.82	1.0
Benzo(b)fluoranthene	NA	0.25 J [0.28 J]	15	1.0	1.3
Benzo(g,h,i)perylene	NA	0.13 J [0.16 J]	6.6	0.52	0.68
Benzo(k)fluoranthene	NA	0.10 J [0.13 J]	4.9	0.41	0.56
Benzyl Alcohol	NA	ND(0.76) [ND(0.76)]	ND(7.5)	ND(0.77)	ND(0.79)
bis(2-Chloroethoxy)methane	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
bis(2-Chloroethyl)ether	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
bis(2-Chloroisopropyl)ether	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
bis(2-Ethylhexyl)phthalate	NA	ND(0.37) [ND(0.37)]	ND(1.9)	ND(0.38)	ND(0.39)
Butylbenzylphthalate	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Chrysene	NA	0.38 [0.26 J]	13	0.79	1.1
Diallate	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
Dibenzo(a,h)anthracene	NA	ND(0.38) [ND(0.38)]	2.0 J	0.13 J	0.18 J
Dibenzofuran	NA	ND(0.38) [ND(0.38)]	1.4 J	ND(0.38)	0.22 J
Diethylphthalate	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Dimethylphthalate	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Di-n-Butylphthalate	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	1.1
Di-n-Octylphthalate	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Diphenylamine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-O12 4-6 04/18/03	RAA11-O13 0-1 04/17/03	RAA11-O15 0-1 04/22/03	RAA11-O17 0-1 04/22/03	RAA11-O19 0-1 04/22/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	NA	ND(0.38) J [ND(0.38) J]	ND(3.8) J	ND(0.38) J	ND(0.39) J
Fluoranthene	NA	0.33 J [0.84]	32	1.8	2.5
Fluorene	NA	ND(0.38) [ND(0.38)]	4.1	ND(0.38)	0.37 J
Hexachlorobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Hexachlorobutadiene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Hexachlorocyclopentadiene	NA	ND(0.38) J [ND(0.38) J]	ND(3.8)	ND(0.38)	ND(0.39)
Hexachloroethane	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Hexachlorophene	NA	ND(0.76) J [ND(0.76) J]	ND(7.5) J	ND(0.77) J	ND(0.79) J
Hexachloropropene	NA	ND(0.38) [ND(0.38)]	ND(3.8) J	ND(0.38) J	ND(0.39) J
Indeno(1,2,3-cd)pyrene	NA	0.11 J [0.13 J]	5.6	0.45	0.54
Isodrin	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Isophorone	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Isosafrole	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
Methapyrilene	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
Methyl Methanesulfonate	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Naphthalene	NA	0.082 J [ND(0.38)]	1.1 J	ND(0.38)	0.16 J
Nitrobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
N-Nitrosodiethylamine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
N-Nitrosodimethylamine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
N-Nitroso-di-n-butylamine	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
N-Nitroso-di-n-propylamine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
N-Nitrosodiphenylamine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
N-Nitrosomethylethylamine	NA	ND(0.76) [ND(0.76)]	ND(3.8) J	ND(0.77) J	ND(0.79) J
N-Nitrosomorpholine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
N-Nitrosopiperidine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
N-Nitrosopyrrolidine	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
o,o,o-Triethylphosphorothioate	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
o-Toluidine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
p-Dimethylaminoazobenzene	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
Pentachlorobenzene	NA	ND(0.38) [ND(0.38)]	ND(3.8) J	ND(0.38) J	0.74 J
Pentachloroethane	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Pentachloronitrobenzene	NA	ND(0.76) [ND(0.76)]	ND(3.8) J	ND(0.77) J	ND(0.79) J
Pentachlorophenol	NA	ND(1.9) [ND(1.9)]	ND(19)	ND(2.0)	ND(2.0)
Phenacetin	NA	ND(0.76) [ND(0.76)]	ND(3.8)	ND(0.77)	ND(0.79)
Phenanthrene	NA	0.12 J [0.52]	24	0.76	2.3
Phenol	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	1.5
Pronamide	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Pyrene	NA	0.30 J [0.80]	28	1.7	2.3
Pyridine	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Safrole	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
Thionazin	NA	ND(0.38) [ND(0.38)]	ND(3.8)	ND(0.38)	ND(0.39)
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	NA	NA	NA	ND(0.016)
4,4'-DDE	NA	NA	NA	NA	ND(0.016)
4,4'-DDT	NA	NA	NA	NA	ND(0.016)
Aldrin	NA	NA	NA	NA	ND(0.0080)
Alpha-BHC	NA	NA	NA	NA	ND(0.0080)
Alpha-Chlordane	NA	NA	NA	NA	ND(0.0080)
Beta-BHC	NA	NA	NA	NA	ND(0.0080)
Delta-BHC	NA	NA	NA	NA	ND(0.0080)
Dieldrin	NA	NA	NA	NA	ND(0.016)
Endosulfan I	NA	NA	NA	NA	ND(0.016)
Endosulfan II	NA	NA	NA	NA	ND(0.016)
Endosulfan Sulfate	NA	NA	NA	NA	ND(0.016)
Endrin	NA	NA	NA	NA	ND(0.016)
Endrin Aldehyde	NA	NA	NA	NA	ND(0.016)
Endrin Ketone	NA	NA	NA	NA	ND(0.016)
Gamma-BHC (Lindane)	NA	NA	NA	NA	ND(0.0080)
Gamma-Chlordane	NA	NA	NA	NA	ND(0.0080)
Heptachlor	NA	NA	NA	NA	ND(0.0080)
Heptachlor Epoxide	NA	NA	NA	NA	ND(0.0080)
Kepone	NA	NA	NA	NA	ND(0.39)
Methoxychlor	NA	NA	NA	NA	ND(0.080)
Technical Chlordane	NA	NA	NA	NA	ND(0.098)
Toxaphene	NA	NA	NA	NA	ND(0.19)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-O12 4-6 04/18/03	RAA11-O13 0-1 04/17/03	RAA11-O15 0-1 04/22/03	RAA11-O17 0-1 04/22/03	RAA11-O19 0-1 04/22/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	NA	ND(2.0)
Disulfoton	NA	NA	NA	NA	ND(0.79)
Ethyl Parathion	NA	NA	NA	NA	ND(0.79)
Famphur	NA	NA	NA	NA	ND(0.39)
Methyl Parathion	NA	NA	NA	NA	ND(0.79)
Phorate	NA	NA	NA	NA	ND(0.79)
Sulfotep	NA	NA	NA	NA	ND(0.79)
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	NA	ND(0.38)
2,4,5-TP	NA	NA	NA	NA	ND(0.38)
2,4-D	NA	NA	NA	NA	ND(0.80)
Dinoseb	NA	NA	NA	NA	ND(0.39)
<b>Furans</b>					
2,3,7,8-TCDF	NA	ND(0.000018) [ND(0.000018)]	0.000019 J	0.000011 Y	0.00030 Y
TCDFs (total)	NA	0.000014 [0.000096]	0.000043 QJ	0.000071	0.0032
1,2,3,7,8-PeCDF	NA	ND(0.000073) [ND(0.0000079)]	ND(0.000023)	ND(0.000060) X	0.00016
2,3,4,7,8-PeCDF	NA	ND(0.000017) [ND(0.000016) X]	0.000044 J	0.000090 J	0.00045
PeCDFs (total)	NA	0.000031 [0.000023]	0.000025 QJ	0.000070 QJ	0.0050
1,2,3,4,7,8-HxCDF	NA	0.0000031 J [0.000022 J]	0.000017 J	0.000083 J	0.00081
1,2,3,6,7,8-HxCDF	NA	ND(0.000012) [ND(0.000014)]	ND(0.000018) X	0.000053 J	0.00031
1,2,3,7,8,9-HxCDF	NA	ND(0.000012) [ND(0.000014)]	ND(0.000027)	ND(0.000012)	0.00010
2,3,4,6,7,8-HxCDF	NA	0.000012 J [0.000011 J]	ND(0.000027) X	ND(0.000056) X	0.00042
HxCDFs (total)	NA	0.000017 [0.000015]	0.000036 I	0.000066	0.0058
1,2,3,4,6,7,8-HpCDF	NA	ND(0.000023) [ND(0.000030)]	0.000039 J	0.000020 J	0.0013
1,2,3,4,7,8,9-HpCDF	NA	ND(0.000012) [ND(0.000019)]	ND(0.000023)	ND(0.000041) X	0.00043
HpCDFs (total)	NA	0.000023 [ND(0.000030)]	0.000083	0.000043	0.0035
OCDF	NA	ND(0.000031) [ND(0.000042) X]	0.000054 J	0.000037 J	0.0049
<b>Dioxins</b>					
2,3,7,8-TCDD	NA	ND(0.0000048) [ND(0.0000072)]	ND(0.000012)	ND(0.000012)	0.000063 J
TCDDs (total)	NA	ND(0.000016) [ND(0.000014)]	ND(0.000020)	ND(0.000034)	0.00060
1,2,3,7,8-PeCDD	NA	ND(0.000012) [ND(0.000014)]	ND(0.000023)	ND(0.000029)	ND(0.00023) X
PeCDDs (total)	NA	ND(0.000021) QJ [ND(0.000014)]	ND(0.000023)	0.000013	0.00099
1,2,3,4,7,8-HxCDD	NA	ND(0.000012) [ND(0.000019)]	ND(0.000028)	ND(0.000025) X	0.000016 J
1,2,3,6,7,8-HxCDD	NA	ND(0.000012) [ND(0.000017)]	ND(0.000025)	ND(0.000022) X	0.000025
1,2,3,7,8,9-HxCDD	NA	ND(0.000012) [ND(0.000019)]	ND(0.000028)	ND(0.000029)	0.000023 J
HxCDDs (total)	NA	ND(0.0000087) [ND(0.000026)]	ND(0.000041)	0.000057	0.00031
1,2,3,4,6,7,8-HpCDD	NA	ND(0.000036) [ND(0.000044)]	ND(0.000044) X	0.000030	0.00029
HpCDDs (total)	NA	ND(0.000036) [ND(0.000082)]	0.000036	0.000057	0.00058
OCDD	NA	ND(0.000029) [ND(0.000032)]	0.000020 J	0.000033	0.0020
Total TEQs (WHO TEFs)	NA	0.000023 [0.000024]	0.000052	0.000011	0.00058
<b>Inorganics</b>					
Antimony	NA	ND(6.00) [ND(6.00)]	ND(6.00)	ND(6.00)	1.30 B
Arsenic	NA	4.10 [4.10]	5.20	3.70	7.80
Barium	NA	16.0 B [21.0]	20.0 B	26.0	49.0
Beryllium	NA	0.280 B [0.230 B]	0.270 B	0.180 B	0.300 B
Cadmium	NA	ND(0.500) [ND(0.500)]	0.360 B	0.380 B	0.970
Chromium	NA	5.70 [5.20]	5.50	4.90	31.0
Cobalt	NA	6.40 [7.90]	8.10	5.30	10.0
Copper	NA	17.0 [14.0]	18.0	27.0	700
Cyanide	NA	0.0230 B [0.0260 B]	0.0520 B	0.0680 B	0.260
Lead	NA	12.0 [12.0]	23.0	54.0	150
Mercury	NA	0.0600 B [0.0340 B]	ND(0.110)	0.270	25.0
Nickel	NA	12.0 [10.0]	14.0	9.00	48.0
Selenium	NA	ND(1.00) J [ND(1.00) J]	ND(1.00)	0.590 B	1.20
Silver	NA	ND(1.00) [ND(1.00)]	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	NA	ND(5.70) [ND(5.60)]	18.0	21.0	15.0
Thallium	NA	ND(1.10) J [ND(1.10) J]	ND(1.10)	ND(1.10)	ND(1.20)
Tin	NA	ND(10.0) [ND(10.0)]	ND(10.0)	ND(10.0)	ND(12.0)
Vanadium	NA	5.80 [5.10]	7.20	4.60 B	34.0
Zinc	NA	40.0 [33.0]	43.0	53.0	630

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-O19 1-3 04/22/03	RAA11-O19 3-6 04/22/03	RAA11-O19 4-6 04/22/03	RAA11-O19 10-12 04/22/03	RAA11-O19 10-15 04/22/03	RAA11-P8 0-1 05/06/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,1,1-Trichloroethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,1,2,2-Tetrachloroethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,1,2-Trichloroethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,1-Dichloroethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,1-Dichloroethene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,2,3-Trichloropropane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,2-Dibromo-3-chloropropane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,2-Dibromoethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,2-Dichloroethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,2-Dichloropropane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
1,4-Dioxane	ND(0.12) J	NA	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J
2-Butanone	0.021	NA	ND(0.012)	ND(0.011)	NA	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
2-Chloroethylvinylether	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
2-Hexanone	ND(0.012)	NA	ND(0.012)	ND(0.011)	NA	ND(0.011)
3-Chloropropene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
4-Methyl-2-pentanone	ND(0.012)	NA	ND(0.012)	ND(0.011)	NA	ND(0.011)
Acetone	0.048	NA	0.0078 J	ND(0.022)	NA	ND(0.021)
Acetonitrile	ND(0.12) J	NA	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J
Acrolein	ND(0.12) J	NA	ND(0.12) J	ND(0.11) J	NA	ND(0.11) J
Acrylonitrile	ND(0.0059) J	NA	ND(0.0060) J	ND(0.0055) J	NA	ND(0.0054)
Benzene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Bromodichloromethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Bromoform	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054) J
Bromomethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Carbon Disulfide	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Carbon Tetrachloride	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Chlorobenzene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Chloroethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Chloroform	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Chloromethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
cis-1,3-Dichloropropene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Dibromochloromethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Dibromomethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Dichlorodifluoromethane	ND(0.0059) J	NA	ND(0.0060) J	ND(0.0055) J	NA	ND(0.0054)
Ethyl Methacrylate	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Ethylbenzene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Iodomethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Isobutanol	ND(0.12)	NA	ND(0.12)	ND(0.11)	NA	ND(0.11) J
Methacrylonitrile	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Methyl Methacrylate	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Methylene Chloride	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Propionitrile	ND(0.012) J	NA	ND(0.012) J	ND(0.011) J	NA	ND(0.011) J
Styrene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Tetrachloroethene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Toluene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
trans-1,2-Dichloroethene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
trans-1,3-Dichloropropene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
trans-1,4-Dichloro-2-butene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Trichloroethene	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Trichlorofluoromethane	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Vinyl Acetate	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Vinyl Chloride	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
Xylenes (total)	ND(0.0059)	NA	ND(0.0060)	ND(0.0055)	NA	ND(0.0054)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.39) J	ND(0.37) J	NA	NA	ND(0.39) J	ND(0.36)
1,2,4-Trichlorobenzene	0.33 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
1,2-Dichlorobenzene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
1,2-Diphenylhydrazine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
1,3,5-Trinitrobenzene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
1,3-Dichlorobenzene	0.15 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
1,3-Dinitrobenzene	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
1,4-Dichlorobenzene	0.38 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
1,4-Naphthoquinone	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72) J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-O19 1-3 04/22/03	RAA11-O19 3-6 04/22/03	RAA11-O19 4-6 04/22/03	RAA11-O19 10-12 04/22/03	RAA11-O19 10-15 04/22/03	RAA11-P8 0-1 05/06/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
2,3,4,6-Tetrachlorophenol	ND(0.39) J	ND(0.37) J	NA	NA	ND(0.39) J	ND(0.36) J
2,4,5-Trichlorophenol	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2,4,6-Trichlorophenol	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2,4-Dichlorophenol	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2,4-Dimethylphenol	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2,4-Dinitrophenol	ND(2.0)	ND(1.9)	NA	NA	ND(2.0)	ND(1.8)
2,4-Dinitrotoluene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2,6-Dichlorophenol	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2,6-Dinitrotoluene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2-Acetylaminofluorene	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
2-Chloronaphthalene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2-Chlorophenol	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2-Methylnaphthalene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2-Methylphenol	0.10 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
2-Naphthylamine	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
2-Nitroaniline	ND(2.0)	ND(1.9)	NA	NA	ND(2.0)	ND(1.8)
2-Nitrophenol	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
2-Picoline	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
3&4-Methylphenol	0.12 J	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
3,3'-Dichlorobenzidine	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
3,3'-Dimethylbenzidine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
3-Methylcholanthrene	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
3-Nitroaniline	ND(2.0)	ND(1.9)	NA	NA	ND(2.0)	ND(1.8)
4,6-Dinitro-2-methylphenol	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
4-Aminobiphenyl	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
4-Bromophenyl-phenylether	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
4-Chloro-3-Methylphenol	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
4-Chloroaniline	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
4-Chlorobenzilate	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
4-Chlorophenyl-phenylether	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
4-Nitroaniline	ND(2.0)	ND(1.9)	NA	NA	ND(2.0)	ND(1.8)
4-Nitrophenol	ND(2.0)	ND(1.9)	NA	NA	ND(2.0)	ND(1.8) J
4-Nitroquinoline-1-oxide	ND(0.79) J	ND(0.75) J	NA	NA	ND(0.79) J	ND(0.72)
4-Phenylenediamine	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
5-Nitro-o-toluidine	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
7,12-Dimethylbenz(a)anthracene	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
a,a'-Dimethylphenethylamine	ND(0.79) J	ND(0.75) J	NA	NA	ND(0.79) J	ND(0.72) J
Acenaphthene	0.28 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Acenaphthylene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Acetophenone	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Aniline	0.63	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Anthracene	0.12 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Aramite	ND(0.79) J	ND(0.75) J	NA	NA	ND(0.79) J	ND(0.72)
Benzidine	ND(0.79) J	ND(0.75) J	NA	NA	ND(0.79) J	ND(0.72) J
Benzo(a)anthracene	0.30 J	ND(0.37)	NA	NA	ND(0.39)	0.099 J
Benzo(a)pyrene	0.29 J	ND(0.37)	NA	NA	ND(0.39)	0.12 J
Benzo(b)fluoranthene	0.33 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Benzo(g,h,i)perylene	0.23 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Benzo(k)fluoranthene	0.13 J	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Benzyl Alcohol	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72) J
bis(2-Chloroethoxy)methane	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
bis(2-Chloroethyl)ether	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
bis(2-Chloroisopropyl)ether	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.35)
Butylbenzylphthalate	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Chrysene	0.24 J	ND(0.37)	NA	NA	ND(0.39)	0.086 J
Diallate	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72) J
Dibenzo(a,h)anthracene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Dibenzofuran	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Diethylphthalate	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Dimethylphthalate	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Di-n-Butylphthalate	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Di-n-Octylphthalate	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Diphenylamine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-O19 1-3 04/22/03	RAA11-O19 3-6 04/22/03	RAA11-O19 4-6 04/22/03	RAA11-O19 10-12 04/22/03	RAA11-O19 10-15 04/22/03	RAA11-P8 0-1 05/06/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.39) J	ND(0.37) J	NA	NA	ND(0.39) J	ND(0.36)
Fluoranthene	0.49	ND(0.37)	NA	NA	ND(0.39)	0.15 J
Fluorene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Hexachlorobenzene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Hexachlorobutadiene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Hexachlorocyclopentadiene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36) J
Hexachloroethane	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Hexachlorophene	ND(0.79) J	ND(0.75) J	NA	NA	ND(0.79) J	ND(0.72) J
Hexachloropropene	ND(0.39) J	ND(0.37) J	NA	NA	ND(0.39) J	ND(0.36)
Indeno(1,2,3-cd)pyrene	0.17 J	ND(0.37)	NA	NA	ND(0.39)	0.085 J
Isodrin	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Isophorone	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Isosafrole	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
Methapyrilene	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
Methyl Methanesulfonate	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Naphthalene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Nitrobenzene	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
N-Nitrosodiethylamine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
N-Nitrosodimethylamine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
N-Nitroso-di-n-butylamine	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
N-Nitrosodiphenylamine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
N-Nitrosomethylethylamine	ND(0.79) J	ND(0.75) J	NA	NA	ND(0.79) J	ND(0.72) J
N-Nitrosomorpholine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
N-Nitrosopiperidine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
N-Nitrosopyrrolidine	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
o,o,o-Triethylphosphorothioate	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
o-Toluidine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
p-Dimethylaminoazobenzene	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
Pentachlorobenzene	0.24 J	ND(0.37) J	NA	NA	ND(0.39) J	ND(0.36) J
Pentachloroethane	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Pentachloronitrobenzene	ND(0.79) J	ND(0.75) J	NA	NA	ND(0.79) J	ND(0.72)
Pentachlorophenol	ND(2.0)	ND(1.9)	NA	NA	ND(2.0)	ND(1.8)
Phenacetin	ND(0.79)	ND(0.75)	NA	NA	ND(0.79)	ND(0.72)
Phenanthrene	0.36 J	ND(0.37)	NA	NA	ND(0.39)	0.078 J
Phenol	0.86	0.14 J	NA	NA	ND(0.39)	ND(0.36)
Pronamide	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Pyrene	0.48	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Pyridine	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Safrole	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
Thionazin	ND(0.39)	ND(0.37)	NA	NA	ND(0.39)	ND(0.36)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-O19 1-3 04/22/03	RAA11-O19 3-6 04/22/03	RAA11-O19 4-6 04/22/03	RAA11-O19 10-12 04/22/03	RAA11-O19 10-15 04/22/03	RAA11-P8 0-1 05/06/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.00018 Y	0.0000017 Y	NA	NA	ND(0.00000018) X	ND(0.0000052) X
TCDFs (total)	0.0020	0.000021	NA	NA	ND(0.00000022)	0.000055
1,2,3,7,8-PeCDF	0.00016	0.00000063 J	NA	NA	ND(0.000000093) X	ND(0.0000045) X
2,3,4,7,8-PeCDF	0.00021	0.0000033	NA	NA	0.00000011 J	0.000017 J
PeCDFs (total)	0.0029	0.000035 I	NA	NA	0.00000076	0.00038
1,2,3,4,7,8-HxCDF	0.00041	0.0000015 J	NA	NA	ND(0.000000074) X	0.000021 J
1,2,3,6,7,8-HxCDF	0.00015	0.0000012 J	NA	NA	0.00000010 J	0.0000056 J
1,2,3,7,8,9-HxCDF	0.000042	0.00000040 J	NA	NA	ND(0.00000029)	ND(0.0000070)
2,3,4,6,7,8-HxCDF	0.00017	0.0000028	NA	NA	ND(0.00000029)	0.000016 J
HxCDFs (total)	0.0029	0.000038	NA	NA	0.00000080	0.00028
1,2,3,4,6,7,8-HpCDF	0.00046	0.0000063	NA	NA	0.00000020 J	ND(0.000028) X
1,2,3,4,7,8,9-HpCDF	0.00013	0.00000069 J	NA	NA	ND(0.00000029)	ND(0.0000037)
HpCDFs (total)	0.0012	0.0000070	NA	NA	0.00000020	0.000034
OCDF	0.0016	0.0000056	NA	NA	0.00000029 J	0.000018 J
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000024) X	ND(0.00000014)	NA	NA	ND(0.00000017)	ND(0.0000015)
TCDDs (total)	0.000016 I	ND(0.00000020)	NA	NA	ND(0.00000017)	ND(0.0000041)
1,2,3,7,8-PeCDD	ND(0.00012) X	ND(0.0000046) X	NA	NA	ND(0.00000029)	ND(0.0000029)
PeCDDs (total)	0.000024	ND(0.00000026)	NA	NA	ND(0.00000056)	ND(0.0000050)
1,2,3,4,7,8-HxCDD	0.000013 J	ND(0.00000026)	NA	NA	ND(0.00000029)	ND(0.0000031)
1,2,3,6,7,8-HxCDD	0.000015 J	0.00000025 J	NA	NA	ND(0.00000029)	ND(0.0000028)
1,2,3,7,8,9-HxCDD	0.000013 J	ND(0.00000026)	NA	NA	ND(0.00000029)	ND(0.0000031)
HxCDDs (total)	0.00014	0.00000025	NA	NA	ND(0.00000054)	0.000010
1,2,3,4,6,7,8-HpCDD	0.00016	0.0000019 J	NA	NA	0.00000035 J	0.000015 J
HpCDDs (total)	0.00032	0.0000019	NA	NA	0.00000035	0.000036
OCDD	0.00092	0.000014	NA	NA	0.00000021 J	0.000011
Total TEQs (WHO TEFs)	0.00028	0.0000050	NA	NA	0.00000039	0.000016
<b>Inorganics</b>						
Antimony	ND(6.00)	ND(6.00)	NA	NA	ND(6.00)	1.40 B
Arsenic	6.40	6.10	NA	NA	10.0	4.30
Barium	36.0	15.0 B	NA	NA	11.0 B	41.0
Beryllium	0.260 B	0.200 B	NA	NA	0.170 B	0.170 B
Cadmium	0.430 B	0.300 B	NA	NA	0.290 B	0.280 B
Chromium	36.0	10.0	NA	NA	7.40	6.60
Cobalt	11.0	15.0	NA	NA	15.0	7.00
Copper	68.0	33.0	NA	NA	33.0	18.0
Cyanide	0.200 B	0.100 B	NA	NA	0.0240 B	ND(0.210)
Lead	180	13.0	NA	NA	8.10	16.0
Mercury	27.0	0.0390 B	NA	NA	ND(0.120)	0.0200 B
Nickel	24.0	23.0	NA	NA	21.0	11.0
Selenium	1.00 B	0.610 B	NA	NA	0.940 B	ND(1.00)
Silver	ND(1.00)	ND(1.00)	NA	NA	ND(1.00)	ND(1.00)
Sulfide	19.0	ND(5.60)	NA	NA	ND(5.90)	21.0
Thallium	ND(1.20)	ND(1.10)	NA	NA	ND(1.20)	ND(1.10) J
Tin	ND(10.0)	ND(10.0)	NA	NA	ND(10.0)	ND(10.0)
Vanadium	13.0	6.90	NA	NA	5.70	6.20
Zinc	190	61.0	NA	NA	44.0	42.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-P12 0-1 04/24/03	RAA11-P15 6-10 04/23/03	RAA11-Q7 0-1 04/28/03	RAA11-Q9 0-1 04/28/03	RAA11-Q10 0-1 04/29/03	RAA11-Q10 1-3 04/29/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,1,1-Trichloroethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,1,2,2-Tetrachloroethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,1,2-Trichloroethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,1-Dichloroethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,1-Dichloroethene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,2,3-Trichloropropane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,2-Dibromo-3-chloropropane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,2-Dibromoethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,2-Dichloroethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,2-Dichloropropane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
1,4-Dioxane	ND(0.11) J	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	ND(0.11) J
2-Butanone	ND(0.011)	NA	ND(0.011)	ND(0.010)	ND(0.011)	ND(0.011) J
2-Chloro-1,3-butadiene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
2-Chloroethylvinylether	ND(0.0055)	NA	ND(0.0054) J	ND(0.0052) J	ND(0.0054)	ND(0.0054)
2-Hexanone	ND(0.011) J	NA	ND(0.011) J	ND(0.010) J	ND(0.011) J	ND(0.011)
3-Chloropropene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
4-Methyl-2-pentanone	ND(0.011)	NA	ND(0.011)	ND(0.010)	ND(0.011)	ND(0.011) J
Acetone	ND(0.022) J	NA	ND(0.022) J	ND(0.021) J	0.0073 J	ND(0.021)
Acetonitrile	ND(0.11) J	NA	ND(0.11) J	ND(0.10) J	ND(0.0054) J	ND(0.11) J
Acrolein	ND(0.11) J	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	ND(0.11) J
Acrylonitrile	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Benzene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Bromodichloromethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Bromoform	ND(0.0055) J	NA	ND(0.0054) J	ND(0.0052) J	ND(0.11) J	ND(0.0054)
Bromomethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Carbon Disulfide	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054) J
Carbon Tetrachloride	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054) J
Chlorobenzene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Chloroethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Chloroform	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Chloromethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
cis-1,3-Dichloropropene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Dibromochloromethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Dibromomethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Dichlorodifluoromethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Ethyl Methacrylate	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Ethylbenzene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Iodomethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Isobutanol	ND(0.11)	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	ND(0.11) J
Methacrylonitrile	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Methyl Methacrylate	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Methylene Chloride	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Propionitrile	ND(0.011) J	NA	ND(0.011) J	ND(0.010) J	ND(0.011) J	ND(0.011) J
Styrene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Tetrachloroethene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Toluene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
trans-1,2-Dichloroethene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
trans-1,3-Dichloropropene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
trans-1,4-Dichloro-2-butene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Trichloroethene	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Trichlorofluoromethane	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Vinyl Acetate	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054) J
Vinyl Chloride	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
Xylenes (total)	ND(0.0055)	NA	ND(0.0054)	ND(0.0052)	ND(0.0054)	ND(0.0054)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.37) J	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
1,2,4-Trichlorobenzene	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
1,2-Dichlorobenzene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
1,2-Diphenylhydrazine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
1,3,5-Trinitrobenzene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
1,3-Dichlorobenzene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
1,3-Dinitrobenzene	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
1,4-Dichlorobenzene	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
1,4-Naphthoquinone	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-P12 0-1 04/24/03	RAA11-P15 6-10 04/23/03	RAA11-Q7 0-1 04/28/03	RAA11-Q9 0-1 04/28/03	RAA11-Q10 0-1 04/29/03	RAA11-Q10 1-3 04/29/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
2,3,4,6-Tetrachlorophenol	ND(0.37) J	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2,4,5-Trichlorophenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2,4,6-Trichlorophenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2,4-Dichlorophenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2,4-Dimethylphenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2,4-Dinitrophenol	ND(1.9)	NA	ND(1.8)	ND(1.8)	ND(1.8) J	ND(1.8) J
2,4-Dinitrotoluene	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
2,6-Dichlorophenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2,6-Dinitrotoluene	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
2-Acetylaminofluorene	ND(0.74)	NA	ND(0.73) J	ND(0.69) J	ND(0.73)	ND(0.72)
2-Chloronaphthalene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2-Chlorophenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2-Methylnaphthalene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2-Methylphenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
2-Naphthylamine	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
2-Nitroaniline	ND(1.9)	NA	ND(1.8) J	ND(1.8) J	ND(1.8)	ND(1.8)
2-Nitrophenol	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
2-Picoline	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
3&4-Methylphenol	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
3,3'-Dichlorobenzidine	ND(0.74)	NA	ND(0.73) J	ND(0.69) J	ND(0.73)	ND(0.72)
3,3'-Dimethylbenzidine	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
3-Methylcholanthrene	ND(0.74)	NA	ND(0.73) J	ND(0.69) J	ND(0.73)	ND(0.72)
3-Nitroaniline	ND(1.9)	NA	ND(1.8) J	ND(1.8) J	ND(1.8)	ND(1.8)
4,6-Dinitro-2-methylphenol	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
4-Aminobiphenyl	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
4-Bromophenyl-phenylether	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
4-Chloro-3-Methylphenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
4-Chloroaniline	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
4-Chlorobenzilate	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
4-Chlorophenyl-phenylether	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
4-Nitroaniline	ND(1.9)	NA	ND(1.8) J	ND(1.8) J	ND(1.8)	ND(1.8)
4-Nitrophenol	ND(1.9) J	NA	ND(1.8) J	ND(1.8) J	ND(1.8) J	ND(1.8) J
4-Nitroquinoline-1-oxide	ND(0.74) J	NA	ND(0.73) J	ND(0.69) J	ND(0.73)	ND(0.72) J
4-Phenylenediamine	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
5-Nitro-o-toluidine	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
7,12-Dimethylbenz(a)anthracene	ND(0.74)	NA	ND(0.73) J	ND(0.69) J	ND(0.73)	ND(0.72)
a,a'-Dimethylphenethylamine	ND(0.74) J	NA	ND(0.73)	ND(0.69)	ND(0.73) J	ND(0.72)
Acenaphthene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Acenaphthylene	0.24 J	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Acetophenone	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36) J	ND(0.36)
Aniline	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Anthracene	0.15 J	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Aramite	ND(0.74) J	NA	ND(0.73) J	ND(0.69) J	ND(0.73)	ND(0.72)
Benzidine	ND(0.74) J	NA	ND(0.73) J	ND(0.69) J	ND(0.73)	ND(0.72) J
Benzo(a)anthracene	0.43	NA	0.23 J	ND(0.34) J	ND(0.36)	ND(0.36)
Benzo(a)pyrene	0.50	NA	0.34 J	ND(0.34) J	ND(0.36)	ND(0.36)
Benzo(b)fluoranthene	0.62	NA	0.21 J	ND(0.34) J	ND(0.36)	ND(0.36)
Benzo(g,h,i)perylene	ND(0.37)	NA	0.21 J	ND(0.34) J	ND(0.36)	ND(0.36)
Benzo(k)fluoranthene	0.24 J	NA	0.26 J	ND(0.34) J	ND(0.36)	ND(0.36)
Benzyl Alcohol	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
bis(2-Chloroethoxy)methane	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
bis(2-Chloroethyl)ether	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
bis(2-Chloroisopropyl)ether	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.36)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.35)
Butylbenzylphthalate	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
Chrysene	0.51	NA	0.31 J	ND(0.34) J	ND(0.36)	ND(0.36)
Diallate	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
Dibenzo(a,h)anthracene	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
Dibenzofuran	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Diethylphthalate	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Dimethylphthalate	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Di-n-Butylphthalate	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Di-n-Octylphthalate	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
Diphenylamine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-P12 0-1 04/24/03	RAA11-P15 6-10 04/23/03	RAA11-Q7 0-1 04/28/03	RAA11-Q9 0-1 04/28/03	RAA11-Q10 0-1 04/29/03	RAA11-Q10 1-3 04/29/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.37) J	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Fluoranthene	1.0	NA	0.33 J	ND(0.34)	ND(0.36)	ND(0.36)
Fluorene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Hexachlorobenzene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Hexachlorobutadiene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Hexachlorocyclopentadiene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36) J	ND(0.36) J
Hexachloroethane	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Hexachlorophene	ND(0.74) J	NA	ND(0.73) J	ND(0.69) J	ND(0.73) J	ND(0.72) J
Hexachloropropene	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
Indeno(1,2,3-cd)pyrene	0.28 J	NA	0.12 J	ND(0.34) J	ND(0.36)	ND(0.36)
Isodrin	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Isophorone	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Isosafrole	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
Methapyrilene	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
Methyl Methanesulfonate	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Naphthalene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Nitrobenzene	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
N-Nitrosodiethylamine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
N-Nitrosodimethylamine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
N-Nitroso-di-n-butylamine	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72) J
N-Nitroso-di-n-propylamine	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
N-Nitrosodiphenylamine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
N-Nitrosomethylethylamine	ND(0.74) J	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
N-Nitrosomorpholine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
N-Nitrosopiperidine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
N-Nitrosopyrrolidine	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72) J
o,o,o-Triethylphosphorothioate	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
o-Toluidine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
p-Dimethylaminoazobenzene	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
Pentachlorobenzene	ND(0.37) J	NA	ND(0.36)	ND(0.34)	ND(0.36) J	ND(0.36) J
Pentachloroethane	ND(0.37)	NA	ND(0.36) J	ND(0.34) J	ND(0.36)	ND(0.36)
Pentachloronitrobenzene	ND(0.74) J	NA	ND(0.73) J	ND(0.69) J	ND(0.73) J	ND(0.72) J
Pentachlorophenol	ND(1.9)	NA	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)
Phenacetin	ND(0.74)	NA	ND(0.73)	ND(0.69)	ND(0.73)	ND(0.72)
Phenanthrene	0.64	NA	0.25 J	0.10 J	ND(0.36)	ND(0.36)
Phenol	ND(0.37)	NA	ND(0.36)	ND(0.34)	0.10 J	ND(0.36)
Pronamide	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Pyrene	ND(0.37)	NA	1.2 J	ND(0.34) J	ND(0.36)	ND(0.36)
Pyridine	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Safrole	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36)	ND(0.36)
Thionazin	ND(0.37)	NA	ND(0.36)	ND(0.34)	ND(0.36) J	ND(0.36)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-P12 0-1 04/24/03	RAA11-P15 6-10 04/23/03	RAA11-Q7 0-1 04/28/03	RAA11-Q9 0-1 04/28/03	RAA11-Q10 0-1 04/29/03	RAA11-Q10 1-3 04/29/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.0000031 J	NA	0.000014 Y	ND(0.0000011) X	0.0000013 J	ND(0.00000048) X
TCDFs (total)	0.000025 I	NA	0.00015 QJ	0.0000065	0.000021 I	0.0000053 I
1,2,3,7,8-PeCDF	0.0000033 J	NA	ND(0.0000044)	ND(0.0000017)	0.0000084 J	ND(0.0000059) X
2,3,4,7,8-PeCDF	0.0000051 J	NA	0.0000094 J	ND(0.0000069) X	0.0000044 QJ	0.0000011 J
PeCDFs (total)	0.000083 IQJ	NA	0.00033 IJ	0.0000064	0.000067 IQJ	0.000010 QJ
1,2,3,4,7,8-HxCDF	0.0000034 J	NA	0.0000035 J	ND(0.0000017)	0.0000014 J	ND(0.00000077) X
1,2,3,6,7,8-HxCDF	0.0000024 J	NA	0.0000032 J	ND(0.0000017)	0.0000017 J	0.00000099 J
1,2,3,7,8,9-HxCDF	ND(0.0000077) X	NA	0.0000079 QJ	ND(0.0000017)	ND(0.0000018)	ND(0.0000023)
2,3,4,6,7,8-HxCDF	0.0000040 J	NA	0.0000054 J	ND(0.0000017)	0.0000037 J	0.00000081 J
HxCDFs (total)	0.000059	NA	0.00015	0.0000093	0.000045	0.0000060
1,2,3,4,6,7,8-HpCDF	0.0000082 J	NA	0.000011 J	0.0000016 J	ND(0.0000049) X	0.0000019 J
1,2,3,4,7,8,9-HpCDF	0.0000013 J	NA	ND(0.0000018)	ND(0.0000017)	ND(0.0000018)	ND(0.0000023)
HpCDFs (total)	0.000020	NA	0.000023	0.0000016	0.0000069	0.0000034
OCDF	0.000011 J	NA	0.000012 J	ND(0.0000043)	0.0000061 J	0.0000022 J
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000010)	NA	ND(0.0000012)	ND(0.0000077)	ND(0.0000074)	ND(0.0000092)
TCDDs (total)	ND(0.0000039)	NA	ND(0.0000012)	ND(0.0000032)	ND(0.0000025)	ND(0.0000034)
1,2,3,7,8-PeCDD	ND(0.0000045) X	NA	ND(0.0000020)	ND(0.0000017)	ND(0.0000018)	ND(0.0000023)
PeCDDs (total)	ND(0.0000048)	NA	ND(0.0000020)	ND(0.0000017)	ND(0.0000018)	ND(0.0000023)
1,2,3,4,7,8-HxCDD	ND(0.0000025)	NA	ND(0.0000024)	ND(0.0000018)	ND(0.0000018)	ND(0.0000023)
1,2,3,6,7,8-HxCDD	0.0000012 J	NA	ND(0.0000022)	ND(0.0000017)	0.0000011 J	ND(0.0000023)
1,2,3,7,8,9-HxCDD	0.0000010 J	NA	ND(0.0000024)	ND(0.0000018)	0.0000072 J	ND(0.0000023)
HxCDDs (total)	0.0000052	NA	0.0000038 QJ	ND(0.0000017)	0.0000038	ND(0.0000023)
1,2,3,4,6,7,8-HpCDD	0.000012 J	NA	0.000013 J	0.0000032 J	0.000017 J	0.0000025 J
HpCDDs (total)	0.000022	NA	0.000027 QJ	0.0000058	0.000032	ND(0.0000044)
OCDD	0.00010 J	NA	0.000087	0.000026 J	0.00015	0.000016 J
Total TEQs (WHO TEFs)	0.0000074	NA	0.0000097	0.0000022	0.0000049	0.0000029
<b>Inorganics</b>						
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	4.20	4.40	7.50	1.50	4.40	3.90
Barium	24.0	41.0	28.0	17.0 B	23.0	24.0
Beryllium	0.290 B	0.250 B	0.210 B	0.120 B	0.250	0.220
Cadmium	0.450 B	ND(0.500)	ND(0.500)	ND(0.500)	0.250	0.220
Chromium	5.10	6.70 J	8.10	5.00	7.90	5.90
Cobalt	7.50	5.80	7.90	4.70 B	6.00	6.60
Copper	19.0	18.0 J	26.0	9.90	16.0	14.0
Cyanide	ND(0.220)	0.0820 B	0.0730 B	ND(0.210)	0.0300 B	ND(0.210)
Lead	26.0	32.0 J	68.0	4.60	24.0	13.0
Mercury	0.00740 B	0.0800 B	0.0410 B	ND(0.100)	0.0650 B	0.0800 B
Nickel	9.60	10.0	14.0	6.70	12.0	11.0
Selenium	0.970 B	ND(1.00) J	ND(1.00)	ND(1.00)	1.30	1.00
Silver	0.120 B	ND(1.00)	ND(1.00)	1.20	ND(1.00)	ND(1.00)
Sulfide	23.0	300 J	12.0	9.90	8.70	24.0
Thallium	ND(1.10)	ND(1.10) J	ND(1.10) J	ND(1.00) J	ND(1.10) J	ND(1.10) J
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	5.50	11.0	8.60	5.50	8.50	5.70
Zinc	43.0	40.0 J	66.0	22.0	43.0	37.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q10 3-6 04/29/03	RAA11-Q10 4-6 04/29/03	RAA11-Q10 6-10 04/29/03	RAA11-Q10 8-10 04/29/03	RAA11-Q11 0-1 04/04/03	RAA11-Q13 0-1 04/23/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,1,1-Trichloroethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,1,2,2-Tetrachloroethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,1,2-Trichloroethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,1-Dichloroethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,1-Dichloroethene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,2,3-Trichloropropane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,2-Dibromo-3-chloropropane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,2-Dibromoethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,2-Dichloroethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,2-Dichloropropane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
1,4-Dioxane	NA	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J	ND(0.11) J
2-Butanone	NA	ND(0.011)	NA	ND(0.011)	ND(0.011)	ND(0.011)
2-Chloro-1,3-butadiene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
2-Chloroethylvinylether	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
2-Hexanone	NA	ND(0.011) J	NA	ND(0.011) J	ND(0.011)	ND(0.011)
3-Chloropropene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
4-Methyl-2-pentanone	NA	ND(0.011)	NA	ND(0.011)	ND(0.011)	ND(0.011) J
Acetone	NA	ND(0.022) J	NA	0.0088 J	ND(0.022)	ND(0.022) J
Acetonitrile	NA	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J	ND(0.11) J
Acrolein	NA	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J	ND(0.11) J
Acrylonitrile	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056) J
Benzene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Bromodichloromethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Bromoform	NA	ND(0.0055) J	NA	ND(0.0054) J	ND(0.0055)	ND(0.0056)
Bromomethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Carbon Disulfide	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Carbon Tetrachloride	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Chlorobenzene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Chloroethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Chloroform	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Chloromethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
cis-1,3-Dichloropropene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Dibromochloromethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Dibromomethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Dichlorodifluoromethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055) J	ND(0.0056) J
Ethyl Methacrylate	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Ethylbenzene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Iodomethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Isobutanol	NA	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J	ND(0.11)
Methacrylonitrile	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Methyl Methacrylate	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Methylene Chloride	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Propionitrile	NA	ND(0.011) J	NA	ND(0.011) J	ND(0.011) J	ND(0.011) J
Styrene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Tetrachloroethene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Toluene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
trans-1,2-Dichloroethene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
trans-1,3-Dichloropropene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
trans-1,4-Dichloro-2-butene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Trichloroethene	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Trichlorofluoromethane	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Vinyl Acetate	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Vinyl Chloride	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
Xylenes (total)	NA	ND(0.0055)	NA	ND(0.0054)	ND(0.0055)	ND(0.0056)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
1,2,4-Trichlorobenzene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
1,2-Dichlorobenzene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
1,2-Diphenylhydrazine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37) J	ND(0.37)
1,3,5-Trinitrobenzene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
1,3-Dichlorobenzene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
1,3-Dinitrobenzene	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
1,4-Dichlorobenzene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
1,4-Naphthoquinone	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q10 3-6 04/29/03	RAA11-Q10 4-6 04/29/03	RAA11-Q10 6-10 04/29/03	RAA11-Q10 8-10 04/29/03	RAA11-Q11 0-1 04/04/03	RAA11-Q13 0-1 04/23/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
2,3,4,6-Tetrachlorophenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37) J
2,4,5-Trichlorophenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2,4,6-Trichlorophenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2,4-Dichlorophenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2,4-Dimethylphenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2,4-Dinitrophenol	ND(1.9) J	NA	ND(1.8) J	NA	ND(1.9) J	ND(1.9) J
2,4-Dinitrotoluene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2,6-Dichlorophenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2,6-Dinitrotoluene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37) J	ND(0.37)
2-Acetylaminofluorene	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
2-Chloronaphthalene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2-Chlorophenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2-Methylnaphthalene	ND(0.36)	NA	ND(0.36)	NA	0.43	ND(0.37)
2-Methylphenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
2-Naphthylamine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
2-Nitroaniline	ND(1.9)	NA	ND(1.8)	NA	ND(1.9) J	ND(1.9)
2-Nitrophenol	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
2-Picoline	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
3&4-Methylphenol	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
3,3'-Dichlorobenzidine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74) J	ND(0.74)
3,3'-Dimethylbenzidine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
3-Methylcholanthrene	ND(0.74)	NA	ND(0.73)	NA	ND(0.74) J	ND(0.74)
3-Nitroaniline	ND(1.9)	NA	ND(1.8)	NA	ND(1.9) J	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37) J	ND(0.37) J
4-Aminobiphenyl	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
4-Bromophenyl-phenylether	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
4-Chloro-3-Methylphenol	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
4-Chloroaniline	ND(0.36)	NA	ND(0.36)	NA	ND(0.37) J	ND(0.37)
4-Chlorobenzilate	ND(0.74)	NA	ND(0.73)	NA	ND(0.74) J	ND(0.74)
4-Chlorophenyl-phenylether	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
4-Nitroaniline	ND(1.9)	NA	ND(1.8)	NA	ND(1.9) J	ND(1.9)
4-Nitrophenol	ND(1.9) J	NA	ND(1.8) J	NA	ND(1.9) J	ND(1.9) J
4-Nitroquinoline-1-oxide	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74) J
4-Phenylenediamine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
5-Nitro-o-toluidine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
7,12-Dimethylbenz(a)anthracene	ND(0.74)	NA	ND(0.73)	NA	ND(0.74) J	ND(0.74)
a,a'-Dimethylphenethylamine	ND(0.74) J	NA	ND(0.73) J	NA	ND(0.74) J	ND(0.74) J
Acenaphthene	ND(0.36)	NA	ND(0.36)	NA	0.40	0.084 J
Acenaphthylene	ND(0.36)	NA	ND(0.36)	NA	0.089 J	ND(0.37)
Acetophenone	ND(0.36) J	NA	ND(0.36) J	NA	ND(0.37)	ND(0.37)
Aniline	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Anthracene	ND(0.36)	NA	ND(0.36)	NA	1.6	0.18 J
Aramite	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
Benzidine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74) J	ND(0.74) J
Benzo(a)anthracene	ND(0.36)	NA	ND(0.36)	NA	2.6 J	0.40
Benzo(a)pyrene	ND(0.36)	NA	ND(0.36)	NA	2.3 J	0.37 J
Benzo(b)fluoranthene	ND(0.36)	NA	ND(0.36)	NA	1.7 J	0.46
Benzo(g,h,i)perylene	ND(0.36)	NA	ND(0.36)	NA	1.5 J	0.21 J
Benzo(k)fluoranthene	ND(0.36)	NA	ND(0.36)	NA	1.7 J	0.15 J
Benzyl Alcohol	ND(0.74)	NA	ND(0.73)	NA	ND(0.74) J	ND(0.74) J
bis(2-Chloroethoxy)methane	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
bis(2-Chloroethyl)ether	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
bis(2-Chloroisopropyl)ether	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
bis(2-Ethylhexyl)phthalate	ND(0.36)	NA	ND(0.36)	NA	ND(0.36) J	ND(0.37)
Butylbenzylphthalate	ND(0.36)	NA	ND(0.36)	NA	ND(0.37) J	ND(0.37)
Chrysene	ND(0.36)	NA	0.074 J	NA	2.3 J	0.42
Diallate	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
Dibenzo(a,h)anthracene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37) J	ND(0.37)
Dibenzofuran	ND(0.36)	NA	ND(0.36)	NA	0.65	ND(0.37)
Diethylphthalate	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Dimethylphthalate	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Di-n-Butylphthalate	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Di-n-Octylphthalate	ND(0.36)	NA	ND(0.36)	NA	0.54 J	ND(0.37)
Diphenylamine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q10 3-6 04/29/03	RAA11-Q10 4-6 04/29/03	RAA11-Q10 6-10 04/29/03	RAA11-Q10 8-10 04/29/03	RAA11-Q11 0-1 04/04/03	RAA11-Q13 0-1 04/23/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Fluoranthene	ND(0.36)	NA	ND(0.36)	NA	3.5	0.78
Fluorene	ND(0.36)	NA	ND(0.36)	NA	0.57	ND(0.37)
Hexachlorobenzene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Hexachlorobutadiene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Hexachlorocyclopentadiene	ND(0.36) J	NA	ND(0.36) J	NA	ND(0.37)	ND(0.37) J
Hexachloroethane	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Hexachlorophene	ND(0.74) J	NA	ND(0.73) J	NA	ND(0.74) J	ND(0.74) J
Hexachloropropene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Indeno(1,2,3-cd)pyrene	ND(0.36)	NA	ND(0.36)	NA	1.5 J	0.18 J
Isodrin	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Isophorone	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Isosafrole	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
Methapyrilene	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
Methyl Methanesulfonate	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Naphthalene	ND(0.36)	NA	ND(0.36)	NA	1.0	ND(0.37)
Nitrobenzene	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
N-Nitrosodiethylamine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
N-Nitrosodimethylamine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
N-Nitroso-di-n-butylamine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
N-Nitroso-di-n-propylamine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
N-Nitrosodiphenylamine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
N-Nitrosomethylethylamine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
N-Nitrosomorpholine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
N-Nitrosopiperidine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
N-Nitrosopyrrolidine	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
o,o,o-Triethylphosphorothioate	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
o-Toluidine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
p-Dimethylaminoazobenzene	ND(0.74)	NA	ND(0.73)	NA	ND(0.74) J	ND(0.74)
Pentachlorobenzene	ND(0.36) J	NA	ND(0.36) J	NA	ND(0.37)	ND(0.37) J
Pentachloroethane	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Pentachloronitrobenzene	ND(0.74) J	NA	ND(0.73) J	NA	ND(0.74)	ND(0.74) J
Pentachlorophenol	ND(1.9)	NA	ND(1.8)	NA	ND(1.9)	ND(1.9)
Phenacetin	ND(0.74)	NA	ND(0.73)	NA	ND(0.74)	ND(0.74)
Phenanthrene	ND(0.36)	NA	ND(0.36)	NA	5.3	0.75
Phenol	0.13 J	NA	ND(0.36)	NA	ND(0.37)	0.44
Pronamide	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Pyrene	ND(0.36)	NA	0.082 J	NA	5.8 J	0.80
Pyridine	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Safrole	ND(0.36)	NA	ND(0.36)	NA	ND(0.37)	ND(0.37)
Thionazin	ND(0.36) J	NA	ND(0.36) J	NA	ND(0.37)	ND(0.37)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q10 3-6 04/29/03	RAA11-Q10 4-6 04/29/03	RAA11-Q10 6-10 04/29/03	RAA11-Q10 8-10 04/29/03	RAA11-Q11 0-1 04/04/03	RAA11-Q13 0-1 04/23/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	ND(0.000011) X	NA	ND(0.0000089)	NA	0.000032 J	ND(0.0000034)
TCDFs (total)	ND(0.0000085)	NA	ND(0.0000089)	NA	0.000023 Q	0.000013 I
1,2,3,7,8-PeCDF	ND(0.000021)	NA	ND(0.000022)	NA	0.000015 J	ND(0.0000024)
2,3,4,7,8-PeCDF	ND(0.000021)	NA	ND(0.000010) X	NA	0.000037 J	ND(0.0000031) X
PeCDFs (total)	ND(0.000021)	NA	0.000032	NA	0.000046 Q	0.000037
1,2,3,4,7,8-HxCDF	ND(0.000021)	NA	ND(0.000022)	NA	0.000024 J	0.000014 J
1,2,3,6,7,8-HxCDF	0.0000055 J	NA	ND(0.000022)	NA	ND(0.000022) X	ND(0.000015) X
1,2,3,7,8,9-HxCDF	ND(0.000021)	NA	ND(0.000022)	NA	ND(0.000026)	ND(0.0000029)
2,3,4,6,7,8-HxCDF	ND(0.000021)	NA	ND(0.000022)	NA	0.000036 J	0.000019 J
HxCDFs (total)	0.0000082	NA	0.000018	NA	0.000054	0.000029
1,2,3,4,6,7,8-HpCDF	0.0000099 J	NA	ND(0.000016) X	NA	0.000011 J	ND(0.000046) X
1,2,3,4,7,8,9-HpCDF	ND(0.000021)	NA	ND(0.000022)	NA	ND(0.000024) X	ND(0.0000024)
HpCDFs (total)	0.0000099	NA	ND(0.000022)	NA	0.000022	0.0000086
OCDF	ND(0.000043)	NA	ND(0.000022) X	NA	0.000014 J	0.0000061 J
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000086)	NA	ND(0.0000089)	NA	ND(0.000010)	ND(0.0000027)
TCDDs (total)	ND(0.000031)	NA	ND(0.000023)	NA	ND(0.000032)	ND(0.0000048)
1,2,3,7,8-PeCDD	ND(0.000021)	NA	ND(0.000022)	NA	ND(0.000026)	ND(0.0000024)
PeCDDs (total)	ND(0.000036)	NA	ND(0.000027)	NA	0.000012	ND(0.0000024)
1,2,3,4,7,8-HxCDD	ND(0.000021)	NA	ND(0.000022)	NA	ND(0.000026)	ND(0.0000024)
1,2,3,6,7,8-HxCDD	ND(0.000021)	NA	ND(0.000022)	NA	ND(0.000018) X	ND(0.000016) X
1,2,3,7,8,9-HxCDD	ND(0.000021)	NA	ND(0.000022)	NA	ND(0.000012) X	ND(0.0000024)
HxCDDs (total)	ND(0.000021)	NA	ND(0.000032)	NA	ND(0.0000050)	ND(0.0000024)
1,2,3,4,6,7,8-HpCDD	ND(0.000014) X	NA	0.000033 J	NA	0.000018 J	0.000018 J
HpCDDs (total)	ND(0.000021)	NA	ND(0.000033)	NA	0.000037	0.000018
OCDD	0.000013 J	NA	0.000028 J	NA	0.00015	0.00015
Total TEQs (WHO TEFs)	0.0000028	NA	0.0000027	NA	0.0000055	0.0000047
<b>Inorganics</b>						
Antimony	ND(6.00)	NA	ND(6.00)	NA	ND(6.00)	ND(6.00)
Arsenic	5.10	NA	4.10	NA	2.70	4.80
Barium	32.0	NA	19.0	NA	14.0 B	18.0 B
Beryllium	0.280	NA	0.180	NA	0.190 B	0.160 B
Cadmium	0.320	NA	0.220	NA	ND(0.500)	ND(0.500)
Chromium	7.20	NA	5.90	NA	4.20	7.40 J
Cobalt	9.40	NA	6.10	NA	4.00 B	8.50
Copper	17.0	NA	12.0	NA	14.0	34.0 J
Cyanide	ND(0.220)	NA	ND(0.220)	NA	0.0460 B	0.0550 B
Lead	7.70	NA	8.60	NA	14.0	26.0 J
Mercury	0.0200 B	NA	0.0140 B	NA	0.100 B	0.0660 B
Nickel	16.0	NA	12.0	NA	6.80	13.0
Selenium	ND(1.00)	NA	ND(1.00)	NA	ND(1.00)	ND(1.00) J
Silver	0.110 B	NA	ND(1.00)	NA	ND(1.00)	ND(1.00)
Sulfide	20.0	NA	23.0	NA	25.0	53.0 J
Thallium	ND(1.10) J	NA	ND(1.10) J	NA	ND(1.10)	ND(1.10) J
Tin	ND(10.0)	NA	ND(10.0)	NA	ND(10.0)	ND(10.0)
Vanadium	7.30	NA	4.90	NA	3.80 B	6.50
Zinc	46.0	NA	32.0	NA	25.0	51.0 J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q13 0-1 05/07/03	RAA11-Q13 10-15 04/23/03	RAA11-Q15 0-1 04/22/03	RAA11-Q17 0-1 04/22/03	RAA11-Q17 1-3 04/22/03	RAA11-Q17 3-6 04/22/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,1,1-Trichloroethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,1,2,2-Tetrachloroethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,1,2-Trichloroethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,1-Dichloroethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,1-Dichloroethene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,2,3-Trichloropropane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,2-Dibromo-3-chloropropane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,2-Dibromoethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,2-Dichloroethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,2-Dichloropropane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
1,4-Dioxane	NA	NA	ND(0.11) J	ND(0.12) J	ND(0.11) J	NA
2-Butanone	NA	NA	ND(0.011)	ND(0.012)	ND(0.011)	NA
2-Chloro-1,3-butadiene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
2-Chloroethylvinylether	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
2-Hexanone	NA	NA	ND(0.011)	ND(0.012)	ND(0.011)	NA
3-Chloropropene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
4-Methyl-2-pentanone	NA	NA	ND(0.011)	ND(0.012)	ND(0.011)	NA
Acetone	NA	NA	ND(0.022)	ND(0.024)	ND(0.023)	NA
Acetonitrile	NA	NA	ND(0.11) J	ND(0.12) J	ND(0.11) J	NA
Acrolein	NA	NA	ND(0.11) J	ND(0.12) J	ND(0.11) J	NA
Acrylonitrile	NA	NA	ND(0.0056) J	ND(0.0059) J	ND(0.0057) J	NA
Benzene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Bromodichloromethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Bromoform	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Bromomethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Carbon Disulfide	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Carbon Tetrachloride	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Chlorobenzene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Chloroethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Chloroform	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Chloromethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
cis-1,3-Dichloropropene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Dibromochloromethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Dibromomethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Dichlorodifluoromethane	NA	NA	ND(0.0056) J	ND(0.0059) J	ND(0.0057) J	NA
Ethyl Methacrylate	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Ethylbenzene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Iodomethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Isobutanol	NA	NA	ND(0.11)	ND(0.12)	ND(0.11)	NA
Methacrylonitrile	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Methyl Methacrylate	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Methylene Chloride	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Propionitrile	NA	NA	ND(0.011) J	ND(0.012) J	ND(0.011) J	NA
Styrene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Tetrachloroethene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Toluene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
trans-1,2-Dichloroethene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
trans-1,3-Dichloropropene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
trans-1,4-Dichloro-2-butene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Trichloroethene	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Trichlorofluoromethane	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Vinyl Acetate	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Vinyl Chloride	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
Xylenes (total)	NA	NA	ND(0.0056)	ND(0.0059)	ND(0.0057)	NA
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.39)	ND(0.37) J	ND(0.40) J	ND(0.38) J	ND(0.39) J
1,2,4-Trichlorobenzene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
1,2-Dichlorobenzene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
1,2-Diphenylhydrazine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
1,3,5-Trinitrobenzene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
1,3-Dichlorobenzene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
1,3-Dinitrobenzene	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
1,4-Dichlorobenzene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
1,4-Naphthoquinone	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q13 0-1 05/07/03	RAA11-Q13 10-15 04/23/03	RAA11-Q15 0-1 04/22/03	RAA11-Q17 0-1 04/22/03	RAA11-Q17 1-3 04/22/03	RAA11-Q17 3-6 04/22/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
2,3,4,6-Tetrachlorophenol	NA	ND(0.39) J	ND(0.37) J	ND(0.40) J	ND(0.38) J	ND(0.39) J
2,4,5-Trichlorophenol	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2,4,6-Trichlorophenol	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2,4-Dichlorophenol	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2,4-Dimethylphenol	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2,4-Dinitrophenol	NA	ND(2.0) J	ND(1.9)	ND(2.0)	ND(1.9)	ND(2.0)
2,4-Dinitrotoluene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2,6-Dichlorophenol	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2,6-Dinitrotoluene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2-Acetylaminofluorene	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
2-Chloronaphthalene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2-Chlorophenol	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2-Methylnaphthalene	NA	0.23 J	0.47	ND(0.40)	ND(0.38)	ND(0.39)
2-Methylphenol	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
2-Naphthylamine	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
2-Nitroaniline	NA	ND(2.0)	ND(1.9)	ND(2.0)	ND(1.9)	ND(2.0)
2-Nitrophenol	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
2-Picoline	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
3&4-Methylphenol	NA	ND(0.78)	0.082 J	ND(0.80)	ND(0.76)	ND(0.78)
3,3'-Dichlorobenzidine	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
3,3'-Dimethylbenzidine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
3-Methylcholanthrene	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
3-Nitroaniline	NA	ND(2.0)	ND(1.9)	ND(2.0)	ND(1.9)	ND(2.0)
4,6-Dinitro-2-methylphenol	NA	ND(0.39) J	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
4-Aminobiphenyl	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
4-Bromophenyl-phenylether	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
4-Chloro-3-Methylphenol	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
4-Chloroaniline	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
4-Chlorobenzilate	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
4-Chlorophenyl-phenylether	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
4-Nitroaniline	NA	ND(2.0)	ND(1.9)	ND(2.0)	ND(1.9)	ND(2.0)
4-Nitrophenol	NA	ND(2.0) J	ND(1.9)	ND(2.0)	ND(1.9)	ND(2.0)
4-Nitroquinoline-1-oxide	NA	ND(0.78) J	ND(0.75) J	ND(0.80) J	ND(0.76) J	ND(0.78) J
4-Phenylenediamine	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
5-Nitro-o-toluidine	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
7,12-Dimethylbenz(a)anthracene	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
a,a'-Dimethylphenethylamine	NA	ND(0.78) J	ND(0.75) J	ND(0.80) J	ND(0.76) J	ND(0.78) J
Acenaphthene	NA	0.41	0.92	0.54	ND(0.38)	ND(0.39)
Acenaphthylene	NA	0.13 J	5.2	0.083 J	ND(0.38)	ND(0.39)
Acetophenone	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Aniline	NA	ND(0.39)	ND(0.37)	1.1	ND(0.38)	ND(0.39)
Anthracene	NA	0.83	5.7	0.085 J	ND(0.38)	ND(0.39)
Aramite	NA	ND(0.78)	ND(0.75) J	ND(0.80) J	ND(0.76) J	ND(0.78) J
Benzidine	NA	ND(0.78) J	ND(0.75) J	ND(0.80) J	ND(0.76) J	0.28 J
Benzo(a)anthracene	NA	1.4	16	ND(0.40)	0.14 J	0.26 J
Benzo(a)pyrene	NA	1.3	17	0.28 J	0.15 J	0.12 J
Benzo(b)fluoranthene	NA	1.5	20	0.40 J	0.21 J	0.16 J
Benzo(g,h,i)perylene	NA	0.70	11	0.27 J	0.17 J	0.10 J
Benzo(k)fluoranthene	NA	0.63	5.7	0.16 J	0.097 J	ND(0.39)
Benzyl Alcohol	NA	ND(0.78) J	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
bis(2-Chloroethoxy)methane	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
bis(2-Chloroethyl)ether	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
bis(2-Chloroisopropyl)ether	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
bis(2-Ethylhexyl)phthalate	NA	ND(0.38)	ND(0.37)	ND(0.39)	ND(0.37)	ND(0.38)
Butylbenzylphthalate	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Chrysene	NA	1.4	17	ND(0.40)	0.15 J	0.26 J
Diallyl	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
Dibenzo(a,h)anthracene	NA	ND(0.39)	2.2	ND(0.40)	ND(0.38)	ND(0.39)
Dibenzofuran	NA	0.39	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Diethylphthalate	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Dimethylphthalate	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Di-n-Butylphthalate	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Di-n-Octylphthalate	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Diphenylamine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q13 0-1 05/07/03	RAA11-Q13 10-15 04/23/03	RAA11-Q15 0-1 04/22/03	RAA11-Q17 0-1 04/22/03	RAA11-Q17 1-3 04/22/03	RAA11-Q17 3-6 04/22/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	NA	ND(0.39)	ND(0.37) J	ND(0.40) J	ND(0.38) J	ND(0.39) J
Fluoranthene	NA	3.1	31	0.52	0.27 J	0.27 J
Fluorene	NA	0.50	2.0	ND(0.40)	ND(0.38)	ND(0.39)
Hexachlorobenzene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Hexachlorobutadiene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Hexachlorocyclopentadiene	NA	ND(0.39) J	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Hexachloroethane	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Hexachlorophene	NA	ND(0.78) J	ND(0.75) J	ND(0.80) J	ND(0.76) J	ND(0.78) J
Hexachloropropene	NA	ND(0.39)	ND(0.37) J	ND(0.40) J	ND(0.38) J	ND(0.39) J
Indeno(1,2,3-cd)pyrene	NA	0.60	7.0	0.20 J	0.10 J	0.086 J
Isodrin	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Isophorone	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Isosafrole	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
Methapyrilene	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
Methyl Methanesulfonate	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Naphthalene	NA	0.59	0.54	ND(0.40)	ND(0.38)	ND(0.39)
Nitrobenzene	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
N-Nitrosodiethylamine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
N-Nitrosodimethylamine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
N-Nitroso-di-n-butylamine	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
N-Nitroso-di-n-propylamine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
N-Nitrosodiphenylamine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
N-Nitrosomethylethylamine	NA	ND(0.78)	ND(0.75) J	ND(0.80) J	ND(0.76) J	ND(0.78) J
N-Nitrosomorpholine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
N-Nitrosopiperidine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
N-Nitrosopyrrolidine	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
o,o,o-Triethylphosphorothioate	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
o-Toluidine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
p-Dimethylaminoazobenzene	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
Pentachlorobenzene	NA	ND(0.39) J	ND(0.37) J	0.27 J	ND(0.38) J	ND(0.39) J
Pentachloroethane	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Pentachloronitrobenzene	NA	ND(0.78) J	ND(0.75) J	ND(0.80) J	ND(0.76) J	ND(0.78) J
Pentachlorophenol	NA	ND(2.0)	ND(1.9)	ND(2.0)	ND(1.9)	ND(2.0)
Phenacetin	NA	ND(0.78)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.78)
Phenanthrene	NA	2.9	14	0.25 J	0.26 J	0.24 J
Phenol	NA	0.43	0.17 J	0.52	ND(0.38)	0.25 J
Pronamide	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Pyrene	NA	2.8	35	0.51	0.33 J	0.28 J
Pyridine	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Safrole	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
Thionazin	NA	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.38)	ND(0.39)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	ND(0.016)	NA	NA	NA	NA	NA
4,4'-DDE	ND(0.016)	NA	NA	NA	NA	NA
4,4'-DDT	ND(0.016)	NA	NA	NA	NA	NA
Aldrin	ND(0.0080)	NA	NA	NA	NA	NA
Alpha-BHC	ND(0.0080)	NA	NA	NA	NA	NA
Alpha-Chlordane	ND(0.0080)	NA	NA	NA	NA	NA
Beta-BHC	ND(0.0080)	NA	NA	NA	NA	NA
Delta-BHC	ND(0.0080)	NA	NA	NA	NA	NA
Dieldrin	ND(0.016)	NA	NA	NA	NA	NA
Endosulfan I	ND(0.016)	NA	NA	NA	NA	NA
Endosulfan II	ND(0.016)	NA	NA	NA	NA	NA
Endosulfan Sulfate	ND(0.016)	NA	NA	NA	NA	NA
Endrin	ND(0.016)	NA	NA	NA	NA	NA
Endrin Aldehyde	ND(0.016)	NA	NA	NA	NA	NA
Endrin Ketone	ND(0.016)	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	ND(0.0080)	NA	NA	NA	NA	NA
Gamma-Chlordane	ND(0.0080)	NA	NA	NA	NA	NA
Heptachlor	ND(0.0080)	NA	NA	NA	NA	NA
Heptachlor Epoxide	ND(0.0080)	NA	NA	NA	NA	NA
Kepone	ND(1.1)	NA	NA	NA	NA	NA
Methoxychlor	ND(0.080)	NA	NA	NA	NA	NA
Technical Chlordane	ND(0.10)	NA	NA	NA	NA	NA
Toxaphene	ND(0.20)	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q13 0-1 05/07/03	RAA11-Q13 10-15 04/23/03	RAA11-Q15 0-1 04/22/03	RAA11-Q17 0-1 04/22/03	RAA11-Q17 1-3 04/22/03	RAA11-Q17 3-6 04/22/03
<b>Organophosphate Pesticides</b>						
Dimethoate	ND(2.1)	NA	NA	NA	NA	NA
Disulfoton	ND(1.1)	NA	NA	NA	NA	NA
Ethyl Parathion	ND(1.1)	NA	NA	NA	NA	NA
Famphur	ND(1.1)	NA	NA	NA	NA	NA
Methyl Parathion	ND(1.1)	NA	NA	NA	NA	NA
Phorate	ND(1.1)	NA	NA	NA	NA	NA
Sulfotep	ND(1.1)	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	ND(0.40)	NA	NA	NA	NA	NA
2,4,5-TP	ND(0.40)	NA	NA	NA	NA	NA
2,4-D	ND(0.80)	NA	NA	NA	NA	NA
Dinoseb	ND(1.1)	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	NA	0.0000036 J	ND(0.0000033) X	0.00015 Y	0.000023 Y	ND(0.0000035) X
TCDFs (total)	NA	0.00013 I	0.000027 QJ	0.0017 I	0.00020 I	0.000028 I
1,2,3,7,8-PeCDF	NA	0.0000017 J	ND(0.0000027)	0.000095	0.0000097 J	ND(0.0000015) X
2,3,4,7,8-PeCDF	NA	0.000012 J	ND(0.0000051)	0.00022	0.000020	ND(0.0000060)
PeCDFs (total)	NA	0.00014 IQJ	0.000047 QJ	0.0025 I	0.00022 I	0.000055 I
1,2,3,4,7,8-HxCDF	NA	0.0000040 J	0.0000017 J	0.00037	0.000027	0.0000025 J
1,2,3,6,7,8-HxCDF	NA	0.0000032 J	ND(0.0000022)	0.00017	0.000014 J	0.0000027 J
1,2,3,7,8,9-HxCDF	NA	0.0000015 QJ	ND(0.0000038)	0.000045	0.0000040 J	ND(0.00000096) X
2,3,4,6,7,8-HxCDF	NA	0.0000068 J	0.0000030 J	0.00019	0.000017 J	0.0000042 J
HxCDFs (total)	NA	0.00010 QJ	0.000036 I	0.0028	0.00023	0.000060
1,2,3,4,6,7,8-HpCDF	NA	0.000013 J	0.0000044 J	0.00055	0.000045	0.000013 J
1,2,3,4,7,8,9-HpCDF	NA	0.0000021 J	ND(0.0000027)	0.00017	0.000012 J	ND(0.0000024)
HpCDFs (total)	NA	0.000039	0.000011	0.00015	0.00012	0.000033
OCDF	NA	0.000027 J	ND(0.0000068) X	0.0024	0.00016	0.000022 J
<b>Dioxins</b>						
2,3,7,8-TCDD	NA	ND(0.0000011)	ND(0.0000011)	ND(0.0000030) X	ND(0.0000012) X	ND(0.0000012)
TCDDs (total)	NA	ND(0.0000048)	ND(0.0000035)	0.000012	0.0000058	ND(0.0000023)
1,2,3,7,8-PeCDD	NA	ND(0.000011) X	ND(0.0000019) X	ND(0.000011) X	ND(0.0000018) X	ND(0.0000055) X
PeCDDs (total)	NA	0.0000033	0.0000031	0.000050	0.000024	0.000026
1,2,3,4,7,8-HxCDD	NA	ND(0.0000028)	ND(0.0000027)	ND(0.0000080) X	ND(0.0000018) X	ND(0.0000024)
1,2,3,6,7,8-HxCDD	NA	ND(0.0000022) X	ND(0.0000027)	ND(0.000014) X	ND(0.0000046) X	ND(0.0000012)
1,2,3,7,8,9-HxCDD	NA	ND(0.0000028)	ND(0.0000027)	0.000010 J	ND(0.0000038) X	ND(0.0000024)
HxCDDs (total)	NA	0.0000051	0.0000028	0.00013	0.000058	0.0000032
1,2,3,4,6,7,8-HpCDD	NA	0.000022 J	0.0000073 J	0.00022	0.000056	0.000021 J
HpCDDs (total)	NA	0.000045	0.000014	0.00045	0.00011	0.000039
OCDD	NA	0.00022	0.000068	0.0025	0.00029	0.00024
Total TEQs (WHO TEFs)	NA	0.000015	0.0000043	0.00028	0.000022	0.0000067
<b>Inorganics</b>						
Antimony	NA	ND(6.00)	ND(6.00)	0.960 B	ND(6.00)	ND(6.00)
Arsenic	NA	6.20	5.30	8.70	15.0	6.70
Barium	NA	64.0	29.0	38.0	27.0	43.0
Beryllium	NA	0.260 B	0.250 B	0.310 B	0.190 B	0.240 B
Cadmium	NA	ND(0.500)	0.360 B	0.700	0.330 B	0.410 B
Chromium	NA	9.30 J	7.60	24.0	8.70	6.10
Cobalt	NA	8.20	7.00	8.50	3.80 B	7.50
Copper	NA	35.0 J	22.0	400	25.0	20.0
Cyanide	NA	ND(0.580)	ND(0.560)	0.210 B	0.330	ND(0.580)
Lead	NA	76.0 J	36.0	85.0	44.0	86.0
Mercury	NA	0.100 B	0.0580 B	6.30	1.10	0.120
Nickel	NA	14.0	12.0	30.0	10.0	11.0
Selenium	NA	ND(1.00) J	0.580 B	0.770 B	1.00	ND(1.00)
Silver	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	NA	71.0 J	71.0	7.60	13.0	140
Thallium	NA	ND(1.20) J	ND(1.10)	ND(1.20)	ND(1.10)	ND(1.20)
Tin	NA	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	NA	9.30	7.60	27.0	19.0	8.20
Zinc	NA	92.0 J	44.0	370	90.0	63.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q17 4-6 04/22/03	RAA11-Q17 6-10 04/22/03	RAA11-Q17 8-10 04/22/03	RAA11-Q17 10-15 04/22/03	RAA11-Q17 14-15 04/22/03	RAA11-R6 0-1 05/07/03
<b>Volatile Organics</b>							
1,1,1,2-Tetrachloroethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,1,1-Trichloroethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,1,2,2-Tetrachloroethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,1,2-Trichloroethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,1-Dichloroethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,1-Dichloroethene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,2,3-Trichloropropane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,2-Dibromo-3-chloropropane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,2-Dibromoethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,2-Dichloroethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,2-Dichloropropane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
1,4-Dioxane		ND(0.12) J	NA	ND(0.12) J	NA	ND(0.12) J	ND(0.10) J
2-Butanone		ND(0.012)	NA	ND(0.012)	NA	0.26 E	ND(0.010)
2-Chloro-1,3-butadiene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
2-Chloroethylvinylether		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062) J	ND(0.0053)
2-Hexanone		ND(0.012)	NA	ND(0.012)	NA	ND(0.012) J	ND(0.010)
3-Chloropropene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
4-Methyl-2-pentanone		ND(0.012)	NA	ND(0.012)	NA	ND(0.012)	ND(0.010)
Acetone		ND(0.023) J	NA	ND(0.024) J	NA	0.38 E	ND(0.021)
Acetonitrile		ND(0.12) J	NA	ND(0.12) J	NA	ND(0.12) J	ND(0.10) J
Acrolein		ND(0.12) J	NA	ND(0.12) J	NA	ND(0.12) J	ND(0.10) J
Acrylonitrile		ND(0.0058) J	NA	ND(0.0059) J	NA	ND(0.0062) J	ND(0.0053)
Benzene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Bromodichloromethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Bromoform		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053) J
Bromomethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Carbon Disulfide		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Carbon Tetrachloride		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Chlorobenzene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Chloroethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Chloroform		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Chloromethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
cis-1,3-Dichloropropene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Dibromochloromethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Dibromomethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Dichlorodifluoromethane		ND(0.0058) J	NA	ND(0.0059) J	NA	ND(0.0062)	ND(0.0053)
Ethyl Methacrylate		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Ethylbenzene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Iodomethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Isobutanol		ND(0.12)	NA	ND(0.12)	NA	ND(0.12)	ND(0.10) J
Methacrylonitrile		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Methyl Methacrylate		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Methylene Chloride		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Propionitrile		ND(0.012) J	NA	ND(0.012) J	NA	ND(0.012) J	ND(0.010) J
Styrene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Tetrachloroethene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Toluene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
trans-1,2-Dichloroethene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
trans-1,3-Dichloropropene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
trans-1,4-Dichloro-2-butene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Trichloroethene		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Trichlorofluoromethane		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Vinyl Acetate		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Vinyl Chloride		ND(0.0058)	NA	ND(0.0059)	NA	ND(0.0062)	ND(0.0053)
Xylenes (total)		ND(0.0058)	NA	ND(0.0059)	NA	NA	ND(0.0053)
<b>Semivolatile Organics</b>							
1,2,4,5-Tetrachlorobenzene		NA	ND(0.43) J	NA	ND(0.44) J	NA	ND(0.35)
1,2,4-Trichlorobenzene		NA	0.18 J	NA	ND(0.44)	NA	ND(0.35)
1,2-Dichlorobenzene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
1,2-Diphenylhydrazine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
1,3,5-Trinitrobenzene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
1,3-Dichlorobenzene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
1,3-Dinitrobenzene		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
1,4-Dichlorobenzene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
1,4-Naphthoquinone		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70) J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q17 4-6 04/22/03	RAA11-Q17 6-10 04/22/03	RAA11-Q17 8-10 04/22/03	RAA11-Q17 10-15 04/22/03	RAA11-Q17 14-15 04/22/03	RAA11-R6 0-1 05/07/03
<b>Semivolatile Organics (continued)</b>							
1-Naphthylamine		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
2,3,4,6-Tetrachlorophenol		NA	ND(0.43) J	NA	ND(0.44) J	NA	ND(0.35) J
2,4,5-Trichlorophenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2,4,6-Trichlorophenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2,4-Dichlorophenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2,4-Dimethylphenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2,4-Dinitrophenol		NA	ND(2.2)	NA	ND(2.2)	NA	ND(1.8)
2,4-Dinitrotoluene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2,6-Dichlorophenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2,6-Dinitrotoluene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2-Acetylaminofluorene		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
2-Chloronaphthalene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2-Chlorophenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2-Methylnaphthalene		NA	0.19 J	NA	ND(0.44)	NA	ND(0.35)
2-Methylphenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
2-Naphthylamine		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
2-Nitroaniline		NA	ND(2.2)	NA	ND(2.2)	NA	ND(1.8)
2-Nitrophenol		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
2-Picoline		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
3&4-Methylphenol		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
3,3'-Dichlorobenzidine		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
3,3'-Dimethylbenzidine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
3-Methylcholanthrene		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
3-Nitroaniline		NA	ND(2.2)	NA	ND(2.2)	NA	ND(1.8)
4,6-Dinitro-2-methylphenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
4-Aminobiphenyl		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
4-Bromophenyl-phenylether		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
4-Chloro-3-Methylphenol		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
4-Chloroaniline		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
4-Chlorobenzilate		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
4-Chlorophenyl-phenylether		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
4-Nitroaniline		NA	ND(2.2)	NA	ND(2.2)	NA	ND(1.8)
4-Nitrophenol		NA	ND(2.2)	NA	ND(2.2)	NA	ND(1.8) J
4-Nitroquinoline-1-oxide		NA	ND(0.86) J	NA	ND(0.87) J	NA	ND(0.70)
4-Phenylenediamine		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
5-Nitro-o-toluidine		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
7,12-Dimethylbenz(a)anthracene		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
a,a'-Dimethylphenethylamine		NA	ND(0.86) J	NA	ND(0.87) J	NA	ND(0.70) J
Acenaphthene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Acenaphthylene		NA	0.74	NA	ND(0.44)	NA	ND(0.35)
Acetophenone		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Aniline		NA	0.15 J	NA	ND(0.44)	NA	ND(0.35)
Anthracene		NA	2.4	NA	ND(0.44)	NA	ND(0.35)
Aramite		NA	ND(0.86) J	NA	ND(0.87) J	NA	ND(0.70)
Benzidine		NA	ND(0.86) J	NA	ND(0.87) J	NA	ND(0.70) J
Benzo(a)anthracene		NA	4.3	NA	ND(0.44)	NA	ND(0.35)
Benzo(a)pyrene		NA	4.0	NA	ND(0.44)	NA	ND(0.35)
Benzo(b)fluoranthene		NA	4.9	NA	ND(0.44)	NA	0.096 J
Benzo(g,h,i)perylene		NA	2.6	NA	ND(0.44)	NA	ND(0.35)
Benzo(k)fluoranthene		NA	2.0	NA	ND(0.44)	NA	ND(0.35)
Benzyl Alcohol		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70) J
bis(2-Chloroethoxy)methane		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
bis(2-Chloroethyl)ether		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
bis(2-Chloroisopropyl)ether		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
bis(2-Ethylhexyl)phthalate		NA	0.88	NA	ND(0.43)	NA	0.12 J
Butylbenzylphthalate		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Chrysene		NA	3.6	NA	ND(0.44)	NA	ND(0.35)
Diallate		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70) J
Dibenzo(a,h)anthracene		NA	0.64	NA	ND(0.44)	NA	ND(0.35)
Dibenzofuran		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Diethylphthalate		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Dimethylphthalate		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Di-n-Butylphthalate		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Di-n-Octylphthalate		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Diphenylamine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q17 4-6 04/22/03	RAA11-Q17 6-10 04/22/03	RAA11-Q17 8-10 04/22/03	RAA11-Q17 10-15 04/22/03	RAA11-Q17 14-15 04/22/03	RAA11-R6 0-1 05/07/03
<b>Semivolatile Organics (continued)</b>							
Ethyl Methanesulfonate		NA	ND(0.43) J	NA	ND(0.44) J	NA	ND(0.35)
Fluoranthene		NA	8.5	NA	ND(0.44)	NA	ND(0.35)
Fluorene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Hexachlorobenzene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Hexachlorobutadiene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Hexachlorocyclopentadiene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35) J
Hexachloroethane		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Hexachlorophene		NA	ND(0.86) J	NA	ND(0.87) J	NA	ND(0.70) J
Hexachloropropene		NA	ND(0.43) J	NA	ND(0.44) J	NA	ND(0.35)
Indeno(1,2,3-cd)pyrene		NA	2.2	NA	ND(0.44)	NA	ND(0.35)
Isodrin		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Isophorone		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Isosafrole		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
Methapyrilene		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
Methyl Methanesulfonate		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Naphthalene		NA	0.24 J	NA	ND(0.44)	NA	ND(0.35)
Nitrobenzene		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
N-Nitrosodiethylamine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
N-Nitrosodimethylamine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
N-Nitroso-di-n-butylamine		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
N-Nitroso-di-n-propylamine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
N-Nitrosodiphenylamine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
N-Nitrosomethylethylamine		NA	ND(0.86) J	NA	ND(0.87) J	NA	ND(0.70) J
N-Nitrosomorpholine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
N-Nitrosopiperidine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
N-Nitrosopyrrolidine		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
o,o,o-Triethylphosphorothioate		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
o-Toluidine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
p-Dimethylaminoazobenzene		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
Pentachlorobenzene		NA	ND(0.43) J	NA	ND(0.44) J	NA	ND(0.35) J
Pentachloroethane		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Pentachloronitrobenzene		NA	ND(0.86) J	NA	ND(0.87) J	NA	ND(0.70)
Pentachlorophenol		NA	ND(2.2)	NA	ND(2.2)	NA	ND(1.8)
Phenacetin		NA	ND(0.86)	NA	ND(0.87)	NA	ND(0.70)
Phenanthrene		NA	6.8	NA	ND(0.44)	NA	ND(0.35)
Phenol		NA	ND(0.43)	NA	0.12 J	NA	ND(0.35)
Pronamide		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Pyrene		NA	8.5	NA	ND(0.44)	NA	0.094 J
Pyridine		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Safrole		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
Thionazin		NA	ND(0.43)	NA	ND(0.44)	NA	ND(0.35)
<b>Organochlorine Pesticides</b>							
4,4'-DDD		NA	NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA	NA
Aldrin		NA	NA	NA	NA	NA	NA
Alpha-BHC		NA	NA	NA	NA	NA	NA
Alpha-Chlordane		NA	NA	NA	NA	NA	NA
Beta-BHC		NA	NA	NA	NA	NA	NA
Delta-BHC		NA	NA	NA	NA	NA	NA
Dieldrin		NA	NA	NA	NA	NA	NA
Endosulfan I		NA	NA	NA	NA	NA	NA
Endosulfan II		NA	NA	NA	NA	NA	NA
Endosulfan Sulfate		NA	NA	NA	NA	NA	NA
Endrin		NA	NA	NA	NA	NA	NA
Endrin Aldehyde		NA	NA	NA	NA	NA	NA
Endrin Ketone		NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)		NA	NA	NA	NA	NA	NA
Gamma-Chlordane		NA	NA	NA	NA	NA	NA
Heptachlor		NA	NA	NA	NA	NA	NA
Heptachlor Epoxide		NA	NA	NA	NA	NA	NA
Kepone		NA	NA	NA	NA	NA	NA
Methoxychlor		NA	NA	NA	NA	NA	NA
Technical Chlordane		NA	NA	NA	NA	NA	NA
Toxaphene		NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-Q17 4-6 04/22/03	RAA11-Q17 6-10 04/22/03	RAA11-Q17 8-10 04/22/03	RAA11-Q17 10-15 04/22/03	RAA11-Q17 14-15 04/22/03	RAA11-R6 0-1 05/07/03
<b>Organophosphate Pesticides</b>							
Dimethoate		NA	NA	NA	NA	NA	NA
Disulfoton		NA	NA	NA	NA	NA	NA
Ethyl Parathion		NA	NA	NA	NA	NA	NA
Famphur		NA	NA	NA	NA	NA	NA
Methyl Parathion		NA	NA	NA	NA	NA	NA
Phorate		NA	NA	NA	NA	NA	NA
Sulfotep		NA	NA	NA	NA	NA	NA
<b>Herbicides</b>							
2,4,5-T		NA	NA	NA	NA	NA	NA
2,4,5-TP		NA	NA	NA	NA	NA	NA
2,4-D		NA	NA	NA	NA	NA	NA
Dinoseb		NA	NA	NA	NA	NA	NA
<b>Furans</b>							
2,3,7,8-TCDF		NA	0.00013 Y	NA	0.00042 YJ	NA	ND(0.0000018) X
TCDFs (total)		NA	0.0032 QIJ	NA	0.019 QIJ	NA	0.000034 I
1,2,3,7,8-PeCDF		NA	0.000046	NA	0.00026	NA	ND(0.0000029)
2,3,4,7,8-PeCDF		NA	0.0012	NA	0.0063	NA	0.0000019 J
PeCDFs (total)		NA	0.0079 QIJ	NA	0.039 QJ	NA	0.00011 I
1,2,3,4,7,8-HxCDF		NA	0.00027	NA	0.0016	NA	ND(0.0000048) X
1,2,3,6,7,8-HxCDF		NA	0.00021	NA	0.0012	NA	ND(0.0000024)
1,2,3,7,8,9-HxCDF		NA	0.000073	NA	0.00046	NA	ND(0.0000032)
2,3,4,6,7,8-HxCDF		NA	0.00079	NA	0.0050	NA	ND(0.0000026)
HxCDFs (total)		NA	0.012 I	NA	0.072	NA	0.000048
1,2,3,4,6,7,8-HpCDF		NA	0.00094	NA	0.0052 QJ	NA	0.000010 J
1,2,3,4,7,8,9-HpCDF		NA	0.00018	NA	0.00093 J	NA	ND(0.0000039)
HpCDFs (total)		NA	0.0026	NA	0.015 QJ	NA	0.000010
OCDF		NA	0.00079	NA	0.0044	NA	0.000017 J
<b>Dioxins</b>							
2,3,7,8-TCDD		NA	0.0000038 J	NA	0.000023 J	NA	ND(0.0000013)
TCDDs (total)		NA	0.000063 QJ	NA	0.00044 QJ	NA	ND(0.0000034)
1,2,3,7,8-PeCDD		NA	ND(0.0000030)	NA	0.00020	NA	ND(0.0000026)
PeCDDs (total)		NA	0.000095	NA	0.0010 QJ	NA	ND(0.0000041)
1,2,3,4,7,8-HxCDD		NA	0.000019 J	NA	0.00014	NA	ND(0.0000026)
1,2,3,6,7,8-HxCDD		NA	0.000032	NA	0.00023	NA	ND(0.0000024)
1,2,3,7,8,9-HxCDD		NA	0.000027 J	NA	0.00021	NA	ND(0.0000025)
HxCDDs (total)		NA	0.00031	NA	0.0027	NA	ND(0.0000043)
1,2,3,4,6,7,8-HpCDD		NA	0.00016	NA	0.0011	NA	0.000020 J
HpCDDs (total)		NA	0.00027	NA	0.0021 QJ	NA	0.000042
OCDD		NA	0.00055	NA	0.0026	NA	0.00026
Total TEQs (WHO TEFs)		NA	0.00078	NA	0.0044	NA	0.000044
<b>Inorganics</b>							
Antimony		NA	ND(6.00)	NA	ND(6.00)	NA	ND(6.0)
Arsenic		NA	6.30	NA	5.60	NA	1.30
Barium		NA	42.0	NA	44.0	NA	17.0 B
Beryllium		NA	0.270 B	NA	0.270 B	NA	ND(0.5)
Cadmium		NA	0.580	NA	0.950	NA	ND(0.5)
Chromium		NA	8.80	NA	33.0	NA	3.50
Cobalt		NA	7.40	NA	6.50	NA	3.30 B
Copper		NA	30.0	NA	58.0	NA	9.40
Cyanide		NA	0.170 B	NA	0.170 B	NA	ND(0.530)
Lead		NA	130	NA	100	NA	5.80
Mercury		NA	0.350	NA	0.120 B	NA	ND(0.100)
Nickel		NA	12.0	NA	13.0	NA	6.10
Selenium		NA	1.30	NA	0.900 B	NA	ND(1.00)
Silver		NA	ND(1.00)	NA	5.20	NA	ND(1.00)
Sulfide		NA	140	NA	110	NA	54.0
Thallium		NA	ND(1.30)	NA	ND(1.30)	NA	ND(1.00)
Tin		NA	ND(10.0)	NA	34.0	NA	ND(10.0)
Vanadium		NA	8.30	NA	7.50	NA	3.70 B
Zinc		NA	95.0	NA	200	NA	23.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-R8 0-1 04/29/03	RAA11-R8 1-3 04/29/03	RAA11-R8 3-6 04/29/03	RAA11-R8 4-6 04/29/03	RAA11-R8 10-12 04/29/03	RAA11-R8 10-15 04/29/03
<b>Volatile Organics</b>							
1,1,1,2-Tetrachloroethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,1,1-Trichloroethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,1,2,2-Tetrachloroethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,1,2-Trichloroethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,1-Dichloroethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,1-Dichloroethene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,2,3-Trichloropropane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,2-Dibromo-3-chloropropane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,2-Dibromoethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,2-Dichloroethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,2-Dichloropropane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
1,4-Dioxane		ND(0.10) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J	NA
2-Butanone		ND(0.010)	ND(0.011)	NA	ND(0.011)	ND(0.011) J	NA
2-Chloro-1,3-butadiene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
2-Chloroethylvinylether		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
2-Hexanone		ND(0.010) J	ND(0.011) J	NA	ND(0.011) J	ND(0.011)	NA
3-Chloropropene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
4-Methyl-2-pentanone		ND(0.010)	ND(0.011)	NA	ND(0.011)	ND(0.011) J	NA
Acetone		ND(0.021) J	ND(0.023) J	NA	ND(0.022) J	0.014 J	NA
Acetonitrile		ND(0.10) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J	NA
Acrolein		ND(0.10) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J	NA
Acrylonitrile		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Benzene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Bromodichloromethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Bromoform		ND(0.0052) J	ND(0.0057) J	NA	ND(0.0055) J	ND(0.0056)	NA
Bromomethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Carbon Disulfide		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056) J	NA
Carbon Tetrachloride		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056) J	NA
Chlorobenzene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Chloroethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Chloroform		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Chloromethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
cis-1,3-Dichloropropene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Dibromochloromethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Dibromomethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Dichlorodifluoromethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Ethyl Methacrylate		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Ethylbenzene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Iodomethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Isobutanol		ND(0.10) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J	NA
Methacrylonitrile		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Methyl Methacrylate		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Methylene Chloride		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Propionitrile		ND(0.010) J	ND(0.011) J	NA	ND(0.011) J	ND(0.011) J	NA
Styrene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Tetrachloroethene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Toluene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
trans-1,2-Dichloroethene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
trans-1,3-Dichloropropene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
trans-1,4-Dichloro-2-butene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Trichloroethene		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Trichlorofluoromethane		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Vinyl Acetate		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056) J	NA
Vinyl Chloride		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
Xylenes (total)		ND(0.0052)	ND(0.0057)	NA	ND(0.0055)	ND(0.0056)	NA
<b>Semivolatile Organics</b>							
1,2,4,5-Tetrachlorobenzene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
1,2,4-Trichlorobenzene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
1,2-Dichlorobenzene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
1,2-Diphenylhydrazine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
1,3,5-Trinitrobenzene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
1,3-Dichlorobenzene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
1,3-Dinitrobenzene		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
1,4-Dichlorobenzene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
1,4-Naphthoquinone		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-R8 0-1 04/29/03	RAA11-R8 1-3 04/29/03	RAA11-R8 3-6 04/29/03	RAA11-R8 4-6 04/29/03	RAA11-R8 10-12 04/29/03	RAA11-R8 10-15 04/29/03
<b>Semivolatile Organics (continued)</b>							
1-Naphthylamine		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
2,3,4,6-Tetrachlorophenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2,4,5-Trichlorophenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2,4,6-Trichlorophenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2,4-Dichlorophenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2,4-Dimethylphenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2,4-Dinitrophenol		ND(1.8) J	ND(1.9) J	NA	NA	NA	ND(2.1) J
2,4-Dinitrotoluene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2,6-Dichlorophenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2,6-Dinitrotoluene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2-Acetylaminofluorene		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
2-Chloronaphthalene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2-Chlorophenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2-Methylnaphthalene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2-Methylphenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
2-Naphthylamine		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
2-Nitroaniline		ND(1.8)	ND(1.9)	NA	NA	NA	ND(2.1)
2-Nitrophenol		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
2-Picoline		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
3&4-Methylphenol		ND(0.70)	1.3	NA	NA	NA	ND(0.82)
3,3'-Dichlorobenzidine		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
3,3'-Dimethylbenzidine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
3-Methylcholanthrene		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
3-Nitroaniline		ND(1.8)	ND(1.9)	NA	NA	NA	ND(2.1)
4,6-Dinitro-2-methylphenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
4-Aminobiphenyl		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
4-Bromophenyl-phenylether		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
4-Chloro-3-Methylphenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
4-Chloroaniline		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
4-Chlorobenzilate		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
4-Chlorophenyl-phenylether		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
4-Nitroaniline		ND(1.8)	ND(1.9)	NA	NA	NA	ND(2.1)
4-Nitrophenol		ND(1.8) J	ND(1.9) J	NA	NA	NA	ND(2.1) J
4-Nitroquinoline-1-oxide		ND(0.70)	ND(0.77) J	NA	NA	NA	ND(0.82)
4-Phenylenediamine		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
5-Nitro-o-toluidine		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
7,12-Dimethylbenz(a)anthracene		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
a,a'-Dimethylphenethylamine		ND(0.70) J	ND(0.77)	NA	NA	NA	ND(0.82) J
Acenaphthene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Acenaphthylene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Acetophenone		ND(0.35) J	ND(0.38)	NA	NA	NA	ND(0.41) J
Aniline		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Anthracene		ND(0.35)	0.29 J	NA	NA	NA	ND(0.41)
Aramite		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
Benzidine		ND(0.70)	ND(0.77) J	NA	NA	NA	ND(0.82)
Benzo(a)anthracene		ND(0.35)	0.50	NA	NA	NA	ND(0.41)
Benzo(a)pyrene		ND(0.35)	0.55	NA	NA	NA	ND(0.41)
Benzo(b)fluoranthene		ND(0.35)	0.72	NA	NA	NA	ND(0.41)
Benzo(g,h,i)perylene		ND(0.35)	0.39	NA	NA	NA	ND(0.41)
Benzo(k)fluoranthene		ND(0.35)	0.27 J	NA	NA	NA	ND(0.41)
Benzyl Alcohol		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
bis(2-Chloroethoxy)methane		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
bis(2-Chloroethyl)ether		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
bis(2-Chloroisopropyl)ether		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
bis(2-Ethylhexyl)phthalate		ND(0.34)	ND(0.38)	NA	NA	NA	ND(0.40)
Butylbenzylphthalate		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Chrysene		ND(0.35)	0.48	NA	NA	NA	ND(0.41)
Diallylate		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
Dibenzo(a,h)anthracene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Dibenzofuran		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Diethylphthalate		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Dimethylphthalate		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Di-n-Butylphthalate		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Di-n-Octylphthalate		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Diphenylamine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-R8 0-1 04/29/03	RAA11-R8 1-3 04/29/03	RAA11-R8 3-6 04/29/03	RAA11-R8 4-6 04/29/03	RAA11-R8 10-12 04/29/03	RAA11-R8 10-15 04/29/03
<b>Semivolatile Organics (continued)</b>							
Ethyl Methanesulfonate		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Fluoranthene		ND(0.35)	1.2	NA	NA	NA	0.11 J
Fluorene		ND(0.35)	0.12 J	NA	NA	NA	ND(0.41)
Hexachlorobenzene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Hexachlorobutadiene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Hexachlorocyclopentadiene		ND(0.35) J	ND(0.38) J	NA	NA	NA	ND(0.41) J
Hexachloroethane		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Hexachlorophene		ND(0.70) J	ND(0.77) J	NA	NA	NA	ND(0.82) J
Hexachloropropene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Indeno(1,2,3-cd)pyrene		ND(0.35)	0.30 J	NA	NA	NA	ND(0.41)
Isodrin		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Isophorone		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Isosafrole		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
Methapyrilene		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
Methyl Methanesulfonate		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Naphthalene		ND(0.35)	ND(0.38)	NA	NA	NA	0.084 J
Nitrobenzene		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
N-Nitrosodiethylamine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
N-Nitrosodimethylamine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
N-Nitroso-di-n-butylamine		ND(0.70)	ND(0.77) J	NA	NA	NA	ND(0.82)
N-Nitroso-di-n-propylamine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
N-Nitrosodiphenylamine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
N-Nitrosomethylethylamine		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
N-Nitrosomorpholine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
N-Nitrosopiperidine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
N-Nitrosopyrrolidine		ND(0.70)	ND(0.77) J	NA	NA	NA	ND(0.82)
o,o,o-Triethylphosphorothioate		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
o-Toluidine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
p-Dimethylaminoazobenzene		0.24 J	ND(0.77)	NA	NA	NA	ND(0.82)
Pentachlorobenzene		ND(0.35) J	ND(0.38) J	NA	NA	NA	ND(0.41) J
Pentachloroethane		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Pentachloronitrobenzene		ND(0.70) J	ND(0.77) J	NA	NA	NA	ND(0.82) J
Pentachlorophenol		ND(1.8)	ND(1.9)	NA	NA	NA	ND(2.1)
Phenacetin		ND(0.70)	ND(0.77)	NA	NA	NA	ND(0.82)
Phenanthrene		ND(0.35)	0.97	NA	NA	NA	0.10 J
Phenol		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Pronamide		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Pyrene		ND(0.35)	1.2	NA	NA	NA	0.12 J
Pyridine		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Safrole		ND(0.35)	ND(0.38)	NA	NA	NA	ND(0.41)
Thionazin		ND(0.35) J	ND(0.38)	NA	NA	NA	ND(0.41) J
<b>Organochlorine Pesticides</b>							
4,4'-DDD		NA	NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA	NA
Aldrin		NA	NA	NA	NA	NA	NA
Alpha-BHC		NA	NA	NA	NA	NA	NA
Alpha-Chlordane		NA	NA	NA	NA	NA	NA
Beta-BHC		NA	NA	NA	NA	NA	NA
Delta-BHC		NA	NA	NA	NA	NA	NA
Dieldrin		NA	NA	NA	NA	NA	NA
Endosulfan I		NA	NA	NA	NA	NA	NA
Endosulfan II		NA	NA	NA	NA	NA	NA
Endosulfan Sulfate		NA	NA	NA	NA	NA	NA
Endrin		NA	NA	NA	NA	NA	NA
Endrin Aldehyde		NA	NA	NA	NA	NA	NA
Endrin Ketone		NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)		NA	NA	NA	NA	NA	NA
Gamma-Chlordane		NA	NA	NA	NA	NA	NA
Heptachlor		NA	NA	NA	NA	NA	NA
Heptachlor Epoxide		NA	NA	NA	NA	NA	NA
Kepone		NA	NA	NA	NA	NA	NA
Methoxychlor		NA	NA	NA	NA	NA	NA
Technical Chlordane		NA	NA	NA	NA	NA	NA
Toxaphene		NA	NA	NA	NA	NA	NA

**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-R8 0-1 04/29/03	RAA11-R8 1-3 04/29/03	RAA11-R8 3-6 04/29/03	RAA11-R8 4-6 04/29/03	RAA11-R8 10-12 04/29/03	RAA11-R8 10-15 04/29/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	ND(0.0000088)	0.0000031 J	0.0000014 J	NA	NA	ND(0.0000016) X
TCDFs (total)	ND(0.0000088)	0.000014	0.0000029	NA	NA	0.000011
1,2,3,7,8-PeCDF	0.0000025 J	0.0000015 J	ND(0.0000010) X	NA	NA	0.0000015 J
2,3,4,7,8-PeCDF	ND(0.0000022)	0.0000021 J	ND(0.0000014) X	NA	NA	ND(0.0000020) X
PeCDFs (total)	0.000021	0.000018 QJ	0.0000051	NA	NA	0.000010
1,2,3,4,7,8-HxCDF	ND(0.0000021) X	0.0000027 J	0.0000011 J	NA	NA	0.0000017 J
1,2,3,6,7,8-HxCDF	0.0000010 J	0.0000016 J	0.0000011 J	NA	NA	ND(0.0000022) X
1,2,3,7,8,9-HxCDF	ND(0.0000022)	ND(0.0000018)	ND(0.0000020)	NA	NA	ND(0.0000030)
2,3,4,6,7,8-HxCDF	ND(0.0000016) X	ND(0.0000012) X	ND(0.0000020)	NA	NA	0.0000024 J
HxCDFs (total)	0.0000070	0.000014	0.0000057	NA	NA	0.0000083
1,2,3,4,6,7,8-HpCDF	0.0000043 J	0.0000043 J	ND(0.0000019)	NA	NA	ND(0.0000058) X
1,2,3,4,7,8,9-HpCDF	ND(0.0000022)	ND(0.0000018)	ND(0.0000020)	NA	NA	ND(0.0000030)
HpCDFs (total)	0.000011	0.0000043	ND(0.0000019)	NA	NA	ND(0.0000016)
OCDF	0.0000067 J	0.0000062 J	ND(0.0000056)	NA	NA	ND(0.0000061)
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000088)	ND(0.0000036) X	ND(0.0000082)	NA	NA	ND(0.0000013)
TCDDs (total)	ND(0.0000022)	ND(0.0000018)	ND(0.0000026)	NA	NA	ND(0.0000036)
1,2,3,7,8-PeCDD	ND(0.0000022)	ND(0.0000018)	ND(0.0000020)	NA	NA	ND(0.0000030)
PeCDDs (total)	ND(0.0000033)	ND(0.0000018)	ND(0.0000030)	NA	NA	ND(0.0000060)
1,2,3,4,7,8-HxCDD	ND(0.0000022)	ND(0.0000018)	ND(0.0000020)	NA	NA	ND(0.0000030)
1,2,3,6,7,8-HxCDD	ND(0.0000022)	ND(0.0000018)	ND(0.0000020)	NA	NA	ND(0.0000030)
1,2,3,7,8,9-HxCDD	ND(0.0000022)	ND(0.0000018)	ND(0.0000020)	NA	NA	ND(0.0000030)
HxCDDs (total)	ND(0.0000034)	0.0000013	ND(0.0000036)	NA	NA	0.0000018
1,2,3,4,6,7,8-HpCDD	0.0000066 J	0.0000056 J	0.0000018 J	NA	NA	0.0000031 J
HpCDDs (total)	0.000013	ND(0.0000056)	0.0000037	NA	NA	0.0000061
OCDD	0.000083	0.000051	ND(0.000016)	NA	NA	ND(0.0000098)
Total TEQs (WHO TEFs)	0.0000031	0.0000035	0.0000027	NA	NA	0.0000040
<b>Inorganics</b>						
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	NA	NA	5.80
Arsenic	3.30	4.50	5.80	NA	NA	8.10
Barium	24.0	34.0	31.0	NA	NA	50.0
Beryllium	0.200	0.320	0.240	NA	NA	0.210
Cadmium	0.120 B	0.280	0.320	NA	NA	0.480
Chromium	3.80	7.20	7.10	NA	NA	8.60
Cobalt	5.80	8.00	9.70	NA	NA	9.10
Copper	9.10	14.0	14.0	NA	NA	180
Cyanide	0.0630 B	ND(0.230)	ND(0.550)	NA	NA	0.310
Lead	13.0	15.0	8.10	NA	NA	2000
Mercury	0.00620 B	0.100 B	0.0660 B	NA	NA	4.40
Nickel	8.30	15.0	17.0	NA	NA	15.0
Selenium	0.610 B	0.600 B	0.660 B	NA	NA	3.60
Silver	ND(1.00)	ND(1.00)	ND(1.00)	NA	NA	ND(1.00)
Sulfide	36.0	95.0	900	NA	NA	72.0
Thallium	ND(1.00) J	ND(1.10) J	ND(1.10) J	NA	NA	ND(1.20) J
Tin	ND(10.0)	ND(10.0)	ND(10.0)	NA	NA	29.0
Vanadium	4.00	16.0	8.00	NA	NA	16.0
Zinc	26.0	48.0	50.0	NA	NA	220

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-R16 0-1 04/24/03	RAA11-S3 0-1 04/29/03	RAA11-S3 1-3 04/29/03	RAA11-S3 3-6 04/29/03	RAA11-S3 4-6 04/29/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,1,1-Trichloroethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,1,2,2-Tetrachloroethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,1,2-Trichloroethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,1-Dichloroethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,1-Dichloroethene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,2,3-Trichloropropane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,2-Dibromo-3-chloropropane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,2-Dibromoethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,2-Dichloroethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,2-Dichloropropane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
1,4-Dioxane	ND(0.12) J	ND(0.10) J	ND(0.11) J	NA	ND(0.12) J
2-Butanone	ND(0.012)	ND(0.010) J	ND(0.011) J	NA	ND(0.012) J
2-Chloro-1,3-butadiene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
2-Chloroethylvinylether	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
2-Hexanone	ND(0.012) J	ND(0.010)	ND(0.011)	NA	ND(0.012)
3-Chloropropene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
4-Methyl-2-pentanone	ND(0.012)	ND(0.010) J	ND(0.011) J	NA	ND(0.012) J
Acetone	ND(0.0058) J	ND(0.021)	ND(0.022)	NA	0.024
Acetonitrile	ND(0.012) J	ND(0.10) J	ND(0.11) J	NA	ND(0.12) J
Acrolein	ND(0.023) J	ND(0.10) J	ND(0.11) J	NA	ND(0.12) J
Acrylonitrile	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Benzene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Bromodichloromethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Bromoforn	ND(0.12) J	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Bromomethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Carbon Disulfide	ND(0.0058)	ND(0.0053) J	ND(0.0054) J	NA	ND(0.0058) J
Carbon Tetrachloride	ND(0.0058)	ND(0.0053) J	ND(0.0054) J	NA	ND(0.0058) J
Chlorobenzene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Chloroethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Chloroform	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Chloromethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
cis-1,3-Dichloropropene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Dibromochloromethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Dibromomethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Dichlorodifluoromethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Ethyl Methacrylate	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Ethylbenzene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	0.0033 J
Iodomethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Isobutanol	ND(0.12)	ND(0.10) J	ND(0.11) J	NA	ND(0.12) J
Methacrylonitrile	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Methyl Methacrylate	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Methylene Chloride	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Propionitrile	ND(0.12) J	ND(0.010) J	ND(0.011) J	NA	ND(0.012) J
Styrene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Tetrachloroethene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Toluene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
trans-1,2-Dichloroethene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
trans-1,3-Dichloropropene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
trans-1,4-Dichloro-2-butene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Trichloroethene	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Trichlorofluoromethane	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Vinyl Acetate	ND(0.0058)	ND(0.0053) J	ND(0.0054) J	NA	ND(0.0058) J
Vinyl Chloride	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	ND(0.0058)
Xylenes (total)	ND(0.0058)	ND(0.0053)	ND(0.0054)	NA	0.0052 J
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.39) J	ND(0.35)	ND(0.36)	ND(0.38)	NA
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
1,2-Dichlorobenzene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
1,2-Diphenylhydrazine	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
1,3,5-Trinitrobenzene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
1,3-Dichlorobenzene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
1,3-Dinitrobenzene	ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
1,4-Dichlorobenzene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
1,4-Naphthoquinone	ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-R16 0-1 04/24/03	RAA11-S3 0-1 04/29/03	RAA11-S3 1-3 04/29/03	RAA11-S3 3-6 04/29/03	RAA11-S3 4-6 04/29/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
2,3,4,6-Tetrachlorophenol		ND(0.39) J	ND(0.35)	ND(0.36)	ND(0.38)	NA
2,4,5-Trichlorophenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2,4,6-Trichlorophenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2,4-Dichlorophenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2,4-Dimethylphenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2,4-Dinitrophenol		ND(2.0)	ND(1.8) J	ND(1.8) J	ND(2.0) J	NA
2,4-Dinitrotoluene		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2,6-Dichlorophenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2,6-Dinitrotoluene		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2-Acetylaminofluorene		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
2-Chloronaphthalene		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2-Chlorophenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2-Methylnaphthalene		ND(0.39)	ND(0.35)	ND(0.36)	1.4	NA
2-Methylphenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
2-Naphthylamine		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
2-Nitroaniline		ND(2.0)	ND(1.8)	ND(1.8)	ND(2.0)	NA
2-Nitrophenol		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
2-Picoline		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
3&4-Methylphenol		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
3,3'-Dichlorobenzidine		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
3,3'-Dimethylbenzidine		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
3-Methylcholanthrene		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
3-Nitroaniline		ND(2.0)	ND(1.8)	ND(1.8)	ND(2.0)	NA
4,6-Dinitro-2-methylphenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
4-Aminobiphenyl		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
4-Bromophenyl-phenylether		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
4-Chloro-3-Methylphenol		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
4-Chloroaniline		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
4-Chlorobenzilate		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
4-Chlorophenyl-phenylether		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
4-Nitroaniline		ND(2.0)	ND(1.8)	ND(1.8)	ND(2.0)	NA
4-Nitrophenol		ND(2.0) J	ND(1.8) J	ND(1.8) J	ND(2.0) J	NA
4-Nitroquinoline-1-oxide		ND(0.78) J	ND(0.71) J	ND(0.73)	ND(0.77)	NA
4-Phenylenediamine		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
5-Nitro-o-toluidine		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
7,12-Dimethylbenz(a)anthracene		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
a,a'-Dimethylphenethylamine		ND(0.78) J	ND(0.71)	ND(0.73)	ND(0.77)	NA
Acenaphthene		0.84	ND(0.35)	0.24 J	2.8	NA
Acenaphthylene		0.26 J	0.36	0.44	1.2	NA
Acetophenone		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Aniline		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Anthracene		0.18 J	0.31 J	0.48	5.6	NA
Aramite		ND(0.78) J	ND(0.71)	ND(0.73)	ND(0.77)	NA
Benzidine		ND(0.78) J	ND(0.71) J	ND(0.73)	ND(0.77)	NA
Benzo(a)anthracene		0.48	0.78	0.71	6.0	NA
Benzo(a)pyrene		0.51	1.1	0.89	5.5	NA
Benzo(b)fluoranthene		0.66	1.4	1.0	6.4	NA
Benzo(g,h,i)perylene		0.37 J	0.84	0.57	2.9	NA
Benzo(k)fluoranthene		0.25 J	0.58	0.41	2.6	NA
Benzyl Alcohol		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
bis(2-Chloroethoxy)methane		ND(0.39)	ND(0.35)	ND(0.36) J	ND(0.38) J	NA
bis(2-Chloroethyl)ether		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
bis(2-Chloroisopropyl)ether		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
bis(2-Ethylhexyl)phthalate		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Butylbenzylphthalate		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Chrysene		0.42	0.73	0.67	5.6	NA
Diallate		ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
Dibenzo(a,h)anthracene		0.094 J	0.20 J	0.082 J	0.77	NA
Dibenzofuran		ND(0.39)	ND(0.35)	0.25 J	2.2	NA
Diethylphthalate		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Dimethylphthalate		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Di-n-Butylphthalate		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Di-n-Octylphthalate		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Diphenylamine		ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-R16 0-1 04/24/03	RAA11-S3 0-1 04/29/03	RAA11-S3 1-3 04/29/03	RAA11-S3 3-6 04/29/03	RAA11-S3 4-6 04/29/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.39) J	ND(0.35)	ND(0.36)	ND(0.38)	NA
Fluoranthene	1.1	1.5	1.8	17	NA
Fluorene	0.089 J	0.088 J	0.51	5.0	NA
Hexachlorobenzene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Hexachlorobutadiene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Hexachlorocyclopentadiene	ND(0.39)	ND(0.35) J	ND(0.36) J	ND(0.38) J	NA
Hexachloroethane	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Hexachlorophene	ND(0.78) J	ND(0.71) J	ND(0.73) J	ND(0.77) J	NA
Hexachloropropene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Indeno(1,2,3-cd)pyrene	0.31 J	0.65	0.45	2.5	NA
Isodrin	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Isophorone	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Isosafrole	ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
Methapyrilene	ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
Methyl Methanesulfonate	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Naphthalene	ND(0.39)	ND(0.35)	ND(0.36)	1.4	NA
Nitrobenzene	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
N-Nitrosodiethylamine	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
N-Nitrosodimethylamine	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
N-Nitroso-di-n-butylamine	ND(0.78)	ND(0.71) J	ND(0.73)	ND(0.77)	NA
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
N-Nitrosodiphenylamine	ND(0.39)	ND(0.35)	0.086 J	ND(0.38)	NA
N-Nitrosomethylethylamine	ND(0.78) J	ND(0.71)	ND(0.73)	ND(0.77)	NA
N-Nitrosomorpholine	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
N-Nitrosopiperidine	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
N-Nitrosopyrrolidine	ND(0.78)	ND(0.71) J	ND(0.73)	ND(0.77)	NA
o,o,o-Triethylphosphorothioate	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
o-Toluidine	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
p-Dimethylaminoazobenzene	ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
Pentachlorobenzene	ND(0.39) J	ND(0.35) J	ND(0.36)	ND(0.38)	NA
Pentachloroethane	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Pentachloronitrobenzene	ND(0.78) J	ND(0.71) J	ND(0.73)	ND(0.77)	NA
Pentachlorophenol	ND(2.0)	ND(1.8)	ND(1.8)	ND(2.0)	NA
Phenacetin	ND(0.78)	ND(0.71)	ND(0.73)	ND(0.77)	NA
Phenanthrene	0.68	0.68	2.1	23	NA
Phenol	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Pronamide	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Pyrene	0.98	1.4	2.0	13	NA
Pyridine	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Safrole	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
Thionazin	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.38)	NA
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	ND(0.016)	NA	NA	NA
4,4'-DDE	NA	ND(0.016)	NA	NA	NA
4,4'-DDT	NA	ND(0.016)	NA	NA	NA
Aldrin	NA	ND(0.0080)	NA	NA	NA
Alpha-BHC	NA	ND(0.0080)	NA	NA	NA
Alpha-Chlordane	NA	ND(0.0080)	NA	NA	NA
Beta-BHC	NA	ND(0.0080)	NA	NA	NA
Delta-BHC	NA	ND(0.0080)	NA	NA	NA
Dieldrin	NA	ND(0.016)	NA	NA	NA
Endosulfan I	NA	ND(0.016)	NA	NA	NA
Endosulfan II	NA	ND(0.016)	NA	NA	NA
Endosulfan Sulfate	NA	ND(0.016)	NA	NA	NA
Endrin	NA	ND(0.016)	NA	NA	NA
Endrin Aldehyde	NA	ND(0.016)	NA	NA	NA
Endrin Ketone	NA	ND(0.016)	NA	NA	NA
Gamma-BHC (Lindane)	NA	ND(0.0080)	NA	NA	NA
Gamma-Chlordane	NA	ND(0.0080)	NA	NA	NA
Heptachlor	NA	ND(0.0080)	NA	NA	NA
Heptachlor Epoxide	NA	ND(0.0080)	NA	NA	NA
Kepone	NA	ND(0.35)	NA	NA	NA
Methoxychlor	NA	ND(0.080)	NA	NA	NA
Technical Chlordane	NA	ND(0.088)	NA	NA	NA
Toxaphene	NA	ND(0.17)	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-R16 0-1 04/24/03	RAA11-S3 0-1 04/29/03	RAA11-S3 1-3 04/29/03	RAA11-S3 3-6 04/29/03	RAA11-S3 4-6 04/29/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	ND(1.8)	NA	NA	NA
Disulfoton	NA	ND(0.71)	NA	NA	NA
Ethyl Parathion	NA	ND(0.71)	NA	NA	NA
Famphur	NA	ND(0.35)	NA	NA	NA
Methyl Parathion	NA	ND(0.71)	NA	NA	NA
Phorate	NA	ND(0.71)	NA	NA	NA
Sulfotep	NA	ND(0.71)	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	NA	ND(0.34)	NA	NA	NA
2,4,5-TP	NA	ND(0.34)	NA	NA	NA
2,4-D	NA	ND(0.80)	NA	NA	NA
Dinoseb	NA	ND(0.35)	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	0.000014 YJ	0.0000020 J	ND(0.0000016) X	0.0000086 J	NA
TCDFs (total)	0.00032 IQJ	0.0000020	ND(0.0000015)	0.000081 QJ	NA
1,2,3,7,8-PeCDF	ND(0.0000086) XQJ	ND(0.0000027)	ND(0.0000027)	ND(0.0000034) X	NA
2,3,4,7,8-PeCDF	0.000021 QJ	0.0000019 J	ND(0.0000017) X	ND(0.0000067) X	NA
PeCDFs (total)	0.00065 IQJ	0.000016 QJ	0.0000028 QJ	0.000049 QJ	NA
1,2,3,4,7,8-HxCDF	0.0000065	ND(0.0000027)	ND(0.00000075) X	ND(0.0000040) X	NA
1,2,3,6,7,8-HxCDF	0.000013	ND(0.0000027)	0.00000088 J	0.0000031 J	NA
1,2,3,7,8,9-HxCDF	0.0000038 QJ	ND(0.0000027)	ND(0.0000027)	ND(0.0000033)	NA
2,3,4,6,7,8-HxCDF	0.0000079	ND(0.0000027)	ND(0.0000027)	0.0000028 J	NA
HxCDFs (total)	0.00034	0.0000096	0.0000041	0.000033	NA
1,2,3,4,6,7,8-HpCDF	0.000018	ND(0.0000034)	ND(0.0000017) X	ND(0.0000072)	NA
1,2,3,4,7,8,9-HpCDF	0.0000030 J	ND(0.0000027)	ND(0.0000027)	ND(0.0000029)	NA
HpCDFs (total)	0.000042 QJ	ND(0.0000072)	ND(0.0000027)	0.000016	NA
OCDF	0.000030	ND(0.0000057)	ND(0.0000054)	0.000020 J	NA
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.00000024) XQJ	ND(0.0000015)	ND(0.0000014)	ND(0.0000015)	NA
TCDDs (total)	0.0000020 QJ	ND(0.0000039)	ND(0.0000039)	ND(0.0000038)	NA
1,2,3,7,8-PeCDD	0.0000022 J	ND(0.0000027)	ND(0.0000027)	ND(0.0000026)	NA
PeCDDs (total)	0.0000022 QJ	ND(0.0000047)	ND(0.0000046)	0.0000020	NA
1,2,3,4,7,8-HxCDD	ND(0.0000011)	ND(0.0000027)	ND(0.0000027)	ND(0.0000040)	NA
1,2,3,6,7,8-HxCDD	0.0000018 J	ND(0.0000027)	ND(0.0000027)	ND(0.0000036)	NA
1,2,3,7,8,9-HxCDD	ND(0.0000015) XQJ	ND(0.0000027)	ND(0.0000027)	ND(0.0000040)	NA
HxCDDs (total)	0.000013 QJ	ND(0.0000046)	ND(0.0000050)	ND(0.0000038)	NA
1,2,3,4,6,7,8-HpCDD	0.000019	0.0000065 J	0.0000038 J	ND(0.0000014) X	NA
HpCDDs (total)	0.000040	0.000012	0.0000038	0.000014	NA
OCDD	0.000019	ND(0.000042)	ND(0.000017)	0.000019	NA
Total TEQs (WHO TEFs)	0.000018	0.0000044	0.0000035	0.0000063	NA
<b>Inorganics</b>					
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	NA
Arsenic	6.80	6.70	5.50	7.10	NA
Barium	47.0	19.0	26.0	48.0	NA
Beryllium	0.280 B	0.300	0.240	0.220	NA
Cadmium	0.620	0.260	0.260	0.370	NA
Chromium	7.60	9.20	6.90	8.50	NA
Cobalt	8.60	6.40	7.60	9.00	NA
Copper	31.0	14.0	14.0	23.0	NA
Cyanide	0.210 B	0.0310 B	0.520 B	0.0670 B	NA
Lead	120	14.0	11.0	91.0	NA
Mercury	0.590	0.0190 B	ND(0.110)	0.130 B	NA
Nickel	14.0	12.0	15.0	16.0	NA
Selenium	0.660 B	0.600 B	ND(1.00)	ND(1.00)	NA
Silver	0.160 B	ND(1.00)	ND(1.00)	ND(1.00)	NA
Sulfide	870	17.0	160	45.0	NA
Thallium	ND(1.20)	ND(1.00) J	ND(1.10) J	ND(1.20) J	NA
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	NA
Vanadium	8.50	7.40	8.30	11.0	NA
Zinc	82.0	38.0	44.0	90.0	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S5 0-1 04/28/03	RAA11-S7 0-1 04/29/03	RAA11-S9 0-1 04/29/03	RAA11-S11 0-1 05/01/03	RAA11-S11 1-3 05/01/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,1,1-Trichloroethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,1,2,2-Tetrachloroethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,1,2-Trichloroethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,1-Dichloroethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,1-Dichloroethene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,2,3-Trichloropropane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,2-Dibromo-3-chloropropane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,2-Dibromoethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,2-Dichloroethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,2-Dichloropropane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
1,4-Dioxane	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.10) J	ND(0.11) J
2-Butanone	ND(0.011)	ND(0.011) J	ND(0.011) J	ND(0.010)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
2-Chloroethylvinylether	ND(0.0053) J	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
2-Hexanone	ND(0.011) J	ND(0.011)	ND(0.011)	ND(0.010)	ND(0.011)
3-Chloropropene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
4-Methyl-2-pentanone	ND(0.011)	ND(0.011) J	ND(0.011) J	ND(0.010) J	ND(0.011) J
Acetone	ND(0.021) J	ND(0.022)	ND(0.022)	ND(0.021) J	ND(0.022) J
Acetonitrile	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.10) J	ND(0.11) J
Acrolein	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.10) J	ND(0.11) J
Acrylonitrile	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053) J	ND(0.0054) J
Benzene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Bromodichloromethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Bromoform	ND(0.0053) J	ND(0.0056)	ND(0.0054)	ND(0.0053) J	ND(0.0054) J
Bromomethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Carbon Disulfide	ND(0.0053)	ND(0.0056) J	ND(0.0054) J	ND(0.0053)	ND(0.0054)
Carbon Tetrachloride	ND(0.0053)	ND(0.0056) J	ND(0.0054) J	ND(0.0053)	ND(0.0054)
Chlorobenzene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Chloroethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053) J	ND(0.0054) J
Chloroform	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Chloromethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
cis-1,3-Dichloropropene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Dibromochloromethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Dibromomethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Dichlorodifluoromethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Ethyl Methacrylate	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Ethylbenzene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Iodomethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Isobutanol	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.10) J	ND(0.11) J
Methacrylonitrile	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Methyl Methacrylate	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Methylene Chloride	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Propionitrile	ND(0.011) J	ND(0.011) J	ND(0.011) J	ND(0.010) J	ND(0.011) J
Styrene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Tetrachloroethene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Toluene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
trans-1,2-Dichloroethene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
trans-1,3-Dichloropropene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
trans-1,4-Dichloro-2-butene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Trichloroethene	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Trichlorofluoromethane	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Vinyl Acetate	ND(0.0053)	ND(0.0056) J	ND(0.0054) J	ND(0.0053)	ND(0.0054)
Vinyl Chloride	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
Xylenes (total)	ND(0.0053)	ND(0.0056)	ND(0.0054)	ND(0.0053)	ND(0.0054)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35)	R
1,2,4-Trichlorobenzene	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35)	R
1,2-Dichlorobenzene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
1,2-Diphenylhydrazine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
1,3,5-Trinitrobenzene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
1,3-Dichlorobenzene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
1,3-Dinitrobenzene	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
1,4-Dichlorobenzene	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35)	R
1,4-Naphthoquinone	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S5 0-1 04/28/03	RAA11-S7 0-1 04/29/03	RAA11-S9 0-1 04/29/03	RAA11-S11 0-1 05/01/03	RAA11-S11 1-3 05/01/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
2,3,4,6-Tetrachlorophenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2,4,5-Trichlorophenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2,4,6-Trichlorophenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2,4-Dichlorophenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2,4-Dimethylphenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2,4-Dinitrophenol	ND(1.8)	ND(1.9) J	ND(1.9) J	ND(1.8) J	R
2,4-Dinitrotoluene	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35)	R
2,6-Dichlorophenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2,6-Dinitrotoluene	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35)	R
2-Acetylaminofluorene	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
2-Chloronaphthalene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2-Chlorophenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2-Methylnaphthalene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2-Methylphenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
2-Naphthylamine	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
2-Nitroaniline	ND(1.8) J	ND(1.9)	ND(1.8)	ND(1.8)	R
2-Nitrophenol	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
2-Picoline	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
3&4-Methylphenol	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
3,3'-Dichlorobenzidine	ND(0.71) J	ND(0.74)	ND(0.72)	ND(0.71)	R
3,3'-Dimethylbenzidine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
3-Methylcholanthrene	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
3-Nitroaniline	ND(1.8) J	ND(1.9)	ND(1.8)	ND(1.8)	R
4,6-Dinitro-2-methylphenol	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35) J	R
4-Aminobiphenyl	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
4-Bromophenyl-phenylether	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
4-Chloro-3-Methylphenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
4-Chloroaniline	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
4-Chlorobenzilate	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
4-Chlorophenyl-phenylether	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
4-Nitroaniline	ND(1.8) J	ND(1.9)	ND(1.8)	ND(1.8)	R
4-Nitrophenol	ND(1.8) J	ND(1.9) J	ND(1.8) J	ND(1.8) J	R
4-Nitroquinoline-1-oxide	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71) J	R
4-Phenylenediamine	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
5-Nitro-o-toluidine	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
7,12-Dimethylbenz(a)anthracene	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
a,a'-Dimethylphenethylamine	ND(0.71) J	ND(0.74)	ND(0.72)	ND(0.71) J	R
Acenaphthene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Acenaphthylene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	0.074 J
Acetophenone	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Aniline	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Anthracene	0.092 J	ND(0.37)	ND(0.36)	ND(0.35)	R
Aramite	ND(0.71) J	ND(0.74)	ND(0.72)	ND(0.71)	R
Benzidine	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71) J	R
Benzo(a)anthracene	0.20 J	ND(0.37)	ND(0.36)	0.14 J	0.15 J
Benzo(a)pyrene	0.30 J	ND(0.37)	ND(0.36)	0.14 J	0.20 J
Benzo(b)fluoranthene	0.11 J	0.081 J	ND(0.36)	0.18 J	0.23 J
Benzo(g,h,i)perylene	0.15 J	ND(0.37)	ND(0.36)	ND(0.35)	R
Benzo(k)fluoranthene	0.26 J	ND(0.37)	ND(0.36)	0.082 J	R
Benzyl Alcohol	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
bis(2-Chloroethoxy)methane	ND(0.36)	ND(0.37) J	ND(0.36) J	ND(0.35)	R
bis(2-Chloroethyl)ether	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
bis(2-Chloroisopropyl)ether	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
bis(2-Ethylhexyl)phthalate	ND(0.35) J	ND(0.37)	ND(0.35)	ND(0.35)	R
Butylbenzylphthalate	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35)	R
Chrysene	0.28 J	ND(0.37)	ND(0.36)	0.13 J	0.18 J
Diallate	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71) J	R
Dibenzo(a,h)anthracene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Dibenzofuran	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Diethylphthalate	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Dimethylphthalate	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Di-n-Butylphthalate	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Di-n-Octylphthalate	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Diphenylamine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S5 0-1 04/28/03	RAA11-S7 0-1 04/29/03	RAA11-S9 0-1 04/29/03	RAA11-S11 0-1 05/01/03	RAA11-S11 1-3 05/01/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Fluoranthene	0.43	ND(0.37)	ND(0.36)	0.29 J	0.28 J
Fluorene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Hexachlorobenzene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Hexachlorobutadiene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Hexachlorocyclopentadiene	ND(0.36)	ND(0.37) J	ND(0.36) J	ND(0.35) J	R
Hexachloroethane	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Hexachlorophene	ND(0.71) J	ND(0.74) J	ND(0.72) J	ND(0.71) J	R
Hexachloropropene	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35)	R
Indeno(1,2,3-cd)pyrene	0.078 J	ND(0.37)	ND(0.36)	ND(0.35)	0.12 J
Isodrin	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Isophorone	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Isosafrole	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
Methapyrilene	ND(0.71) J	ND(0.74)	ND(0.72)	ND(0.71)	R
Methyl Methanesulfonate	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Naphthalene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Nitrobenzene	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
N-Nitrosodiethylamine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
N-Nitrosodimethylamine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
N-Nitroso-di-n-butylamine	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71) J	R
N-Nitroso-di-n-propylamine	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35)	R
N-Nitrosodiphenylamine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
N-Nitrosomethylethylamine	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
N-Nitrosomorpholine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
N-Nitrosopiperidine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
N-Nitrosopyrrolidine	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71) J	R
o,o'-Triethylphosphorothioate	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
o-Toluidine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35) J	R
p-Dimethylaminoazobenzene	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71)	R
Pentachlorobenzene	ND(0.36) J	ND(0.37)	ND(0.36)	ND(0.35) J	R
Pentachloroethane	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Pentachloronitrobenzene	ND(0.71)	ND(0.74)	ND(0.72)	ND(0.71) J	R
Pentachlorophenol	ND(1.8)	ND(1.9)	ND(1.8)	ND(1.8)	R
Phenacetin	ND(0.71) J	ND(0.74)	ND(0.72)	ND(0.71)	R
Phenanthrene	0.29 J	ND(0.37)	ND(0.36)	0.14 J	0.12 J
Phenol	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Pronamide	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Pyrene	0.88	ND(0.37)	ND(0.36)	ND(0.35)	R
Pyridine	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Safrole	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
Thionazin	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.35)	R
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	NA	NA	ND(0.016)	ND(0.016)
4,4'-DDE	NA	NA	NA	ND(0.016)	ND(0.016)
4,4'-DDT	NA	NA	NA	ND(0.016)	ND(0.016)
Aldrin	NA	NA	NA	ND(0.0080)	ND(0.0080)
Alpha-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)
Alpha-Chlordane	NA	NA	NA	ND(0.0080)	ND(0.0080)
Beta-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)
Delta-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)
Dieldrin	NA	NA	NA	ND(0.016)	ND(0.016)
Endosulfan I	NA	NA	NA	ND(0.016)	ND(0.016)
Endosulfan II	NA	NA	NA	ND(0.016)	ND(0.016)
Endosulfan Sulfate	NA	NA	NA	ND(0.016)	ND(0.016)
Endrin	NA	NA	NA	ND(0.016)	ND(0.016)
Endrin Aldehyde	NA	NA	NA	ND(0.016)	ND(0.016)
Endrin Ketone	NA	NA	NA	ND(0.016)	ND(0.016)
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.0080)	ND(0.0080)
Gamma-Chlordane	NA	NA	NA	ND(0.0080)	ND(0.0080)
Heptachlor	NA	NA	NA	ND(0.0080)	ND(0.0080)
Heptachlor Epoxide	NA	NA	NA	ND(0.0080)	ND(0.0080)
Kepone	NA	NA	NA	ND(0.35)	ND(0.36)
Methoxychlor	NA	NA	NA	ND(0.080)	ND(0.080)
Technical Chlordane	NA	NA	NA	ND(0.088)	ND(0.090)
Toxaphene	NA	NA	NA	ND(0.17)	ND(0.17)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S5 0-1 04/28/03	RAA11-S7 0-1 04/29/03	RAA11-S9 0-1 04/29/03	RAA11-S11 0-1 05/01/03	RAA11-S11 1-3 05/01/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	ND(1.8)	ND(1.8)
Disulfoton	NA	NA	NA	ND(0.71)	ND(0.72)
Ethyl Parathion	NA	NA	NA	ND(0.71)	ND(0.72)
Famphur	NA	NA	NA	ND(0.35)	ND(0.36)
Methyl Parathion	NA	NA	NA	ND(0.71)	ND(0.72)
Phorate	NA	NA	NA	ND(0.71)	ND(0.72)
Sulfotep	NA	NA	NA	ND(0.71)	ND(0.72)
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	ND(0.34)	ND(0.34)
2,4,5-TP	NA	NA	NA	ND(0.34)	ND(0.34)
2,4-D	NA	NA	NA	ND(0.80)	ND(0.80)
Dinoseb	NA	NA	NA	ND(0.35)	ND(0.36)
<b>Furans</b>					
2,3,7,8-TCDF	0.000040 J	0.000032 J	ND(0.000015)	ND(0.000039) X	0.000022 Y
TCDFs (total)	0.000099	0.000041	ND(0.000015)	0.000060	0.00018
1,2,3,7,8-PeCDF	ND(0.000013) X	ND(0.000018) X	ND(0.000025)	ND(0.000023) X	0.000015 J
2,3,4,7,8-PeCDF	ND(0.000038) X	0.000018 J	ND(0.000025)	0.000083 J	0.000024
PeCDFs (total)	0.000046 QJ	0.000037	ND(0.000025)	0.00011	0.00022
1,2,3,4,7,8-HxCDF	0.000028 J	0.000044 J	ND(0.000025)	ND(0.000068) X	0.000051
1,2,3,6,7,8-HxCDF	0.000018 J	0.000027 J	ND(0.000025)	ND(0.000054) X	0.000033
1,2,3,7,8,9-HxCDF	ND(0.000028)	ND(0.000022)	ND(0.000025)	ND(0.000032)	0.000052 J
2,3,4,6,7,8-HxCDF	0.000020 J	ND(0.000016) X	ND(0.000025)	0.000040 J	0.000013 J
HxCDFs (total)	0.000028	0.000016	ND(0.000025)	0.000052	0.00024
1,2,3,4,6,7,8-HpCDF	ND(0.000076) X	ND(0.000043)	ND(0.000018) X	0.000010 J	0.000046
1,2,3,4,7,8,9-HpCDF	ND(0.000040)	ND(0.000022)	ND(0.000034)	0.000020 J	ND(0.000014) X
HpCDFs (total)	0.000015	ND(0.000043)	ND(0.000029)	0.000025	0.000051
OCDF	0.000026 J	ND(0.000041) X	ND(0.000022) X	0.000014 J	0.000037 J
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.000027)	ND(0.0000089)	ND(0.000011)	ND(0.000011)	ND(0.000012)
TCDDs (total)	ND(0.000027)	ND(0.000030)	ND(0.000035)	ND(0.000027)	ND(0.000027)
1,2,3,7,8-PeCDD	ND(0.000025)	ND(0.000022)	ND(0.000025)	ND(0.000023)	ND(0.000020)
PeCDDs (total)	ND(0.000025)	ND(0.000036)	ND(0.000046)	ND(0.000043)	0.000027
1,2,3,4,7,8-HxCDD	ND(0.000025)	ND(0.000022)	ND(0.000025)	ND(0.000025)	ND(0.000020)
1,2,3,6,7,8-HxCDD	ND(0.000025)	ND(0.000022)	ND(0.000025)	0.000036 J	0.000011 J
1,2,3,7,8,9-HxCDD	ND(0.000025)	ND(0.000022)	ND(0.000025)	0.000018 J	ND(0.000013) X
HxCDDs (total)	0.000016	ND(0.000022)	ND(0.000025)	0.000053	0.000039
1,2,3,4,6,7,8-HpCDD	0.000020 J	0.000046 J	0.000042 J	0.000089	0.000072 J
HpCDDs (total)	0.000042	0.000083	0.000042	0.00014	0.000015
OCDD	0.00028	ND(0.000026)	ND(0.000030)	0.00025	0.000039 J
Total TEQs (WHO TEFs)	0.000054	0.000041	0.000035	0.000090	0.000028
<b>Inorganics</b>					
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.0)	ND(6.0)
Arsenic	2.40	5.40	3.20	3.40	3.30
Barium	13.0 B	32.0	14.0	21.0	24.0
Beryllium	0.200 B	0.320	0.170	0.150 B	0.260 B
Cadmium	ND(0.500)	0.310	0.150 B	0.150 B	0.150 B
Chromium	4.70	7.80	5.20	9.50	6.20
Cobalt	4.70 B	8.00	4.80	5.40	6.10
Copper	13.0	18.0	13.0	20.0	26.0
Cyanide	0.0500 B	ND(0.560)	ND(0.110)	ND(0.210) J	ND(0.540) J
Lead	8.70	24.0	7.20	37.0	24.0
Mercury	0.0330 B	0.0740 B	0.0240 B	0.0540 J	0.0310 J
Nickel	8.80	16.0	9.00	10.0	11.0
Selenium	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00) J	ND(1.00) J
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	17.0	360	25.0	30.0 J	46.0 J
Thallium	ND(1.10) J	ND(1.10) J	ND(1.10) J	ND(1.00) J	2.30 J
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	4.90 B	8.30	4.50	5.60	6.00
Zinc	30.0	60.0	31.0	48.0	46.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S11 3-6 05/01/03	RAA11-S11 4-6 05/01/03	RAA11-S11 10-12 05/01/03	RAA11-S11 10-15 05/01/03	RAA11-S13 0-1 04/23/03	RAA11-S15 0-1 04/23/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,1,1-Trichloroethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,1,2,2-Tetrachloroethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,1,2-Trichloroethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,1-Dichloroethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,1-Dichloroethene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,2,3-Trichloropropane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,2-Dibromo-3-chloropropane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,2-Dibromoethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,2-Dichloroethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,2-Dichloropropane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
1,4-Dioxane	NA	ND(0.11) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
2-Butanone	NA	ND(0.011)	ND(0.011)	NA	ND(0.011)	ND(0.011)
2-Chloro-1,3-butadiene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
2-Chloroethylvinylether	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
2-Hexanone	NA	ND(0.011)	ND(0.011)	NA	ND(0.011)	ND(0.011)
3-Chloropropene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
4-Methyl-2-pentanone	NA	ND(0.011) J	ND(0.011) J	NA	ND(0.011) J	ND(0.011) J
Acetone	NA	0.014 J	ND(0.023) J	NA	ND(0.022) J	ND(0.023) J
Acetonitrile	NA	ND(0.11) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
Acrolein	NA	ND(0.11) J	ND(0.11) J	NA	ND(0.11) J	ND(0.11) J
Acrylonitrile	NA	ND(0.0056) J	ND(0.0057) J	NA	ND(0.0056) J	ND(0.0057) J
Benzene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Bromodichloromethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Bromoform	NA	ND(0.0056) J	ND(0.0057) J	NA	ND(0.0056)	ND(0.0057)
Bromomethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Carbon Disulfide	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Carbon Tetrachloride	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Chlorobenzene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Chloroethane	NA	ND(0.0056) J	ND(0.0057) J	NA	ND(0.0056)	ND(0.0057)
Chloroform	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Chloromethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
cis-1,3-Dichloropropene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Dibromochloromethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Dibromomethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Dichlorodifluoromethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056) J	ND(0.0057) J
Ethyl Methacrylate	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Ethylbenzene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Iodomethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Isobutanol	NA	ND(0.11) J	ND(0.11) J	NA	ND(0.11)	ND(0.11)
Methacrylonitrile	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Methyl Methacrylate	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Methylene Chloride	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Propionitrile	NA	ND(0.011) J	ND(0.011) J	NA	ND(0.011) J	ND(0.011) J
Styrene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Tetrachloroethene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Toluene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
trans-1,2-Dichloroethene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
trans-1,3-Dichloropropene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
trans-1,4-Dichloro-2-butene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Trichloroethene	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Trichlorofluoromethane	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Vinyl Acetate	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Vinyl Chloride	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
Xylenes (total)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0056)	ND(0.0057)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
1,2-Dichlorobenzene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
1,2-Diphenylhydrazine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
1,3,5-Trinitrobenzene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
1,3-Dichlorobenzene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
1,3-Dinitrobenzene	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
1,4-Dichlorobenzene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
1,4-Naphthoquinone	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S11 3-6 05/01/03	RAA11-S11 4-6 05/01/03	RAA11-S11 10-12 05/01/03	RAA11-S11 10-15 05/01/03	RAA11-S13 0-1 04/23/03	RAA11-S15 0-1 04/23/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
2,3,4,6-Tetrachlorophenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37) J	ND(0.38) J
2,4,5-Trichlorophenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2,4,6-Trichlorophenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2,4-Dichlorophenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2,4-Dimethylphenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2,4-Dinitrophenol	ND(1.9) J	NA	NA	ND(2.0) J	ND(1.9) J	ND(2.0) J
2,4-Dinitrotoluene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2,6-Dichlorophenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2,6-Dinitrotoluene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2-Acetylaminofluorene	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
2-Chloronaphthalene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2-Chlorophenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2-Methylnaphthalene	0.092 J	NA	NA	ND(0.39)	0.083 J	0.084 J
2-Methylphenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
2-Naphthylamine	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
2-Nitroaniline	ND(1.9)	NA	NA	ND(2.0)	ND(1.9)	ND(2.0)
2-Nitrophenol	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
2-Picoline	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
3&4-Methylphenol	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
3,3'-Dichlorobenzidine	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
3,3'-Dimethylbenzidine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
3-Methylcholanthrene	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
3-Nitroaniline	ND(1.9)	NA	NA	ND(2.0)	ND(1.9)	ND(2.0)
4,6-Dinitro-2-methylphenol	ND(0.38) J	NA	NA	ND(0.39) J	ND(0.37) J	ND(0.38) J
4-Aminobiphenyl	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
4-Bromophenyl-phenylether	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
4-Chloro-3-Methylphenol	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
4-Chloroaniline	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
4-Chlorobenzilate	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
4-Chlorophenyl-phenylether	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
4-Nitroaniline	ND(1.9)	NA	NA	ND(2.0)	ND(1.9)	ND(2.0)
4-Nitrophenol	ND(1.9) J	NA	NA	ND(2.0) J	ND(1.9) J	ND(2.0) J
4-Nitroquinoline-1-oxide	ND(0.76) J	NA	NA	ND(0.79) J	ND(0.74) J	ND(0.77) J
4-Phenylenediamine	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
5-Nitro-o-toluidine	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
7,12-Dimethylbenz(a)anthracene	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
a,a'-Dimethylphenethylamine	ND(0.76) J	NA	NA	ND(0.79) J	ND(0.74) J	ND(0.77) J
Acenaphthene	0.17 J	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Acenaphthylene	0.37 J	NA	NA	ND(0.39)	0.46	ND(0.38)
Acetophenone	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Aniline	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	0.29 J
Anthracene	0.51	NA	NA	ND(0.39)	ND(0.37)	0.28 J
Aramite	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
Benzidine	ND(0.76) J	NA	NA	ND(0.79) J	ND(0.74) J	ND(0.77) J
Benzo(a)anthracene	1.1	NA	NA	0.11 J	0.72	1.1
Benzo(a)pyrene	1.2	NA	NA	0.10 J	1.2	1.4
Benzo(b)fluoranthene	1.6	NA	NA	ND(0.39)	1.4	1.9
Benzo(g,h,i)perylene	0.82	NA	NA	ND(0.39)	1.0	1.1
Benzo(k)fluoranthene	0.62	NA	NA	ND(0.39)	0.48	0.76
Benzyl Alcohol	ND(0.76)	NA	NA	ND(0.79)	ND(0.74) J	ND(0.77) J
bis(2-Chloroethoxy)methane	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
bis(2-Chloroethyl)ether	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
bis(2-Chloroisopropyl)ether	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
bis(2-Ethylhexyl)phthalate	ND(0.37)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Butylbenzylphthalate	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Chrysene	1.2	NA	NA	0.096 J	0.73	1.4
Diallate	ND(0.76) J	NA	NA	ND(0.79) J	ND(0.74)	ND(0.77)
Dibenzo(a,h)anthracene	0.21 J	NA	NA	ND(0.39)	0.23 J	0.26 J
Dibenzofuran	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Diethylphthalate	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Dimethylphthalate	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Di-n-Butylphthalate	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Di-n-Octylphthalate	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Diphenylamine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S11 3-6 05/01/03	RAA11-S11 4-6 05/01/03	RAA11-S11 10-12 05/01/03	RAA11-S11 10-15 05/01/03	RAA11-S13 0-1 04/23/03	RAA11-S15 0-1 04/23/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Fluoranthene	3.0	NA	NA	0.21 J	1.2	2.4
Fluorene	0.42	NA	NA	ND(0.39)	0.081 J	0.092 J
Hexachlorobenzene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Hexachlorobutadiene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Hexachlorocyclopentadiene	ND(0.38) J	NA	NA	ND(0.39) J	ND(0.37) J	ND(0.38) J
Hexachloroethane	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Hexachlorophene	ND(0.76) J	NA	NA	ND(0.79) J	ND(0.74) J	ND(0.77) J
Hexachloropropene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Indeno(1,2,3-cd)pyrene	0.66	NA	NA	ND(0.39)	0.75	0.89
Isodrin	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Isophorone	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Isosafrole	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
Methapyrilene	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
Methyl Methanesulfonate	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Naphthalene	0.13 J	NA	NA	ND(0.39)	0.14 J	0.16 J
Nitrobenzene	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
N-Nitrosodiethylamine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
N-Nitrosodimethylamine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
N-Nitroso-di-n-butylamine	ND(0.76) J	NA	NA	ND(0.79) J	ND(0.74)	ND(0.77)
N-Nitroso-di-n-propylamine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
N-Nitrosodiphenylamine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
N-Nitrosomethylethylamine	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
N-Nitrosomorpholine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
N-Nitrosopiperidine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
N-Nitrosopyrrolidine	ND(0.76) J	NA	NA	ND(0.79) J	ND(0.74)	ND(0.77)
o,o,o-Triethylphosphorothioate	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
o-Toluidine	ND(0.38) J	NA	NA	ND(0.39) J	ND(0.37)	ND(0.38)
p-Dimethylaminoazobenzene	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
Pentachlorobenzene	ND(0.38) J	NA	NA	ND(0.39) J	ND(0.37) J	ND(0.38) J
Pentachloroethane	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Pentachloronitrobenzene	ND(0.76) J	NA	NA	ND(0.79) J	ND(0.74) J	ND(0.77) J
Pentachlorophenol	ND(1.9)	NA	NA	ND(2.0)	ND(1.9)	ND(2.0)
Phenacetin	ND(0.76)	NA	NA	ND(0.79)	ND(0.74)	ND(0.77)
Phenanthrene	2.4	NA	NA	0.14 J	0.50	1.1
Phenol	ND(0.38)	NA	NA	ND(0.39)	0.58	ND(0.38)
Pronamide	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Pyrene	2.5	NA	NA	0.19 J	1.4	2.2
Pyridine	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Safrole	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
Thionazin	ND(0.38)	NA	NA	ND(0.39)	ND(0.37)	ND(0.38)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S11 3-6 05/01/03	RAA11-S11 4-6 05/01/03	RAA11-S11 10-12 05/01/03	RAA11-S11 10-15 05/01/03	RAA11-S13 0-1 04/23/03	RAA11-S15 0-1 04/23/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000058 Y	NA	NA	0.000011 J	0.0000094 Y	0.00016 Y
TCDFs (total)	0.00041	NA	NA	0.000011	0.00011 I	0.0014 I
1,2,3,7,8-PeCDF	0.000034	NA	NA	ND(0.000023)	0.000022	0.000045
2,3,4,7,8-PeCDF	0.000045	NA	NA	0.000013 J	0.0000056 J	0.00010
PeCDFs (total)	0.00042 QJ	NA	NA	0.000032	0.00012 QJ	0.0015 I
1,2,3,4,7,8-HxCDF	0.000077	NA	NA	ND(0.000023)	0.000029 J	0.000069
1,2,3,6,7,8-HxCDF	0.000044	NA	NA	ND(0.000023)	ND(0.000023)	0.000059
1,2,3,7,8,9-HxCDF	0.000011 J	NA	NA	ND(0.000023)	ND(0.000020)	0.000015 J
2,3,4,6,7,8-HxCDF	0.000023 J	NA	NA	ND(0.000023)	0.000035 J	0.00012
HxCDFs (total)	0.00034	NA	NA	0.000051	0.000061	0.0016
1,2,3,4,6,7,8-HpCDF	0.000071	NA	NA	0.000013 J	0.000011 J	0.00018
1,2,3,4,7,8,9-HpCDF	0.000017 J	NA	NA	ND(0.000025)	ND(0.000014) X	0.000022 J
HpCDFs (total)	0.00012	NA	NA	0.000017	0.000026	0.00043
OCDF	0.000053	NA	NA	0.000078 J	0.000023 J	0.00013
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000018)	NA	NA	ND(0.000011)	ND(0.0000079)	ND(0.000017) X
TCDDs (total)	ND(0.000043)	NA	NA	ND(0.000031)	ND(0.000033)	0.000066
1,2,3,7,8-PeCDD	ND(0.000023) X	NA	NA	ND(0.000023)	ND(0.000020)	ND(0.000023) X
PeCDDs (total)	ND(0.000026)	NA	NA	ND(0.000041)	0.000014 QJ	0.000048
1,2,3,4,7,8-HxCDD	0.000019 J	NA	NA	ND(0.000026)	0.000012 J	0.000035 J
1,2,3,6,7,8-HxCDD	ND(0.000022) X	NA	NA	ND(0.000023)	0.000018 J	0.000071 J
1,2,3,7,8,9-HxCDD	0.000045 J	NA	NA	ND(0.000026)	0.000017 J	0.000054 J
HxCDDs (total)	0.00021	NA	NA	ND(0.000045)	0.000047	0.000077
1,2,3,4,6,7,8-HpCDD	0.000022 J	NA	NA	ND(0.000042)	0.000035	0.000050
HpCDDs (total)	0.00042	NA	NA	ND(0.000042)	0.000068	0.00010
OCDD	0.000091	NA	NA	ND(0.000057) X	0.00029	0.00028
Total TEQs (WHO TEFs)	0.000060	NA	NA	0.000035	0.000081	0.00011
<b>Inorganics</b>						
Antimony	ND(6.0)	NA	NA	ND(6.0)	ND(6.00)	ND(6.00)
Arsenic	4.80	NA	NA	3.10	6.50	6.10
Barium	35.0	NA	NA	16.0 B	27.0	58.0
Beryllium	0.330 B	NA	NA	0.180 B	0.200 B	0.200 B
Cadmium	0.320 B	NA	NA	0.140 B	ND(0.500)	0.180 B
Chromium	8.00	NA	NA	4.60	9.40 J	7.00 J
Cobalt	6.80	NA	NA	5.80	7.40	6.40
Copper	36.0	NA	NA	9.50	28.0 J	50.0 J
Cyanide	0.120 J	NA	NA	ND(0.590) J	0.110 B	0.120
Lead	75.0	NA	NA	5.60	64.0 J	180 J
Mercury	0.0950J	NA	NA	ND(0.120) J	0.0390 B	0.280
Nickel	13.0	NA	NA	8.10	14.0	13.0
Selenium	ND(1.00) J	NA	NA	ND(1.00) J	ND(1.00) J	ND(1.00) J
Silver	ND(1.00)	NA	NA	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	63.0 J	NA	NA	11.0 J	20.0 J	18.0 J
Thallium	ND(1.10) J	NA	NA	2.10 J	ND(1.10) J	ND(1.10) J
Tin	ND(10.0)	NA	NA	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	7.10	NA	NA	6.30	8.30	11.0
Zinc	83.0	NA	NA	33.0	76.0 J	100 J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S15 1-3 04/23/03	RAA11-S15 3-6 04/23/03	RAA11-S15 4-6 04/23/03	RAA11-S17 0-1 04/23/03	RAA11-S17 1-3 04/23/03
<b>Volatiles Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,1,1-Trichloroethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,1,2,2-Tetrachloroethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,1,2-Trichloroethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,1-Dichloroethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,1-Dichloroethene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,2,3-Trichloropropane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,2-Dibromo-3-chloropropane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,2-Dibromoethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,2-Dichloroethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,2-Dichloropropane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
1,4-Dioxane	ND(0.11) J	NA	ND(0.11) J	ND(0.12) J	ND(0.12) J
2-Butanone	ND(0.011)	NA	ND(0.011)	ND(0.012)	ND(0.012)
2-Chloro-1,3-butadiene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
2-Chloroethylvinylether	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
2-Hexanone	ND(0.011)	NA	ND(0.011)	ND(0.012)	ND(0.012)
3-Chloropropene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
4-Methyl-2-pentanone	ND(0.011) J	NA	ND(0.011) J	ND(0.012) J	ND(0.012) J
Acetone	ND(0.022) J	NA	ND(0.022) J	ND(0.023) J	ND(0.024) J
Acetonitrile	ND(0.11) J	NA	ND(0.11) J	ND(0.12) J	ND(0.12) J
Acrolein	ND(0.11) J	NA	ND(0.11) J	ND(0.12) J	ND(0.12) J
Acrylonitrile	ND(0.0056) J	NA	ND(0.0054) J	ND(0.0058) J	ND(0.0060) J
Benzene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Bromodichloromethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Bromoform	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Bromomethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Carbon Disulfide	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Carbon Tetrachloride	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Chlorobenzene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Chloroethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Chloroform	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Chloromethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
cis-1,3-Dichloropropene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Dibromochloromethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Dibromomethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Dichlorodifluoromethane	ND(0.0056) J	NA	ND(0.0054) J	ND(0.0058) J	ND(0.0060) J
Ethyl Methacrylate	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Ethylbenzene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Iodomethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Isobutanol	ND(0.11)	NA	ND(0.11)	ND(0.12)	ND(0.12)
Methacrylonitrile	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Methyl Methacrylate	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Methylene Chloride	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Propionitrile	ND(0.011) J	NA	ND(0.011) J	ND(0.012) J	ND(0.012) J
Styrene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Tetrachloroethene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Toluene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
trans-1,2-Dichloroethene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
trans-1,3-Dichloropropene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
trans-1,4-Dichloro-2-butene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Trichloroethene	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Trichlorofluoromethane	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Vinyl Acetate	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Vinyl Chloride	ND(0.0056)	NA	ND(0.0054)	ND(0.0058)	ND(0.0060)
Xylenes (total)	ND(0.0056)	NA	0.0038 J	ND(0.0058)	ND(0.0060)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
1,2,4-Trichlorobenzene	ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
1,2-Dichlorobenzene	ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
1,2-Diphenylhydrazine	ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
1,3,5-Trinitrobenzene	ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
1,3-Dichlorobenzene	ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
1,3-Dinitrobenzene	ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
1,4-Dichlorobenzene	ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
1,4-Naphthoquinone	ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S15 1-3 04/23/03	RAA11-S15 3-6 04/23/03	RAA11-S15 4-6 04/23/03	RAA11-S17 0-1 04/23/03	RAA11-S17 1-3 04/23/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
2,3,4,6-Tetrachlorophenol		ND(0.37) J	ND(0.40) J [ND(0.40) J]	NA	ND(0.39) J	ND(0.40) J
2,4,5-Trichlorophenol		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2,4,6-Trichlorophenol		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2,4-Dichlorophenol		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2,4-Dimethylphenol		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2,4-Dinitrophenol		ND(1.9) J	ND(2.0) J [ND(2.0) J]	NA	ND(2.0) J	ND(2.0) J
2,4-Dinitrotoluene		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2,6-Dichlorophenol		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2,6-Dinitrotoluene		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2-Acetylaminofluorene		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
2-Chloronaphthalene		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2-Chlorophenol		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2-Methylnaphthalene		0.23 J	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2-Methylphenol		0.13 J	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
2-Naphthylamine		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
2-Nitroaniline		ND(1.9)	ND(2.0) [ND(2.0)]	NA	ND(2.0)	ND(2.0)
2-Nitrophenol		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
2-Picoline		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
3&4-Methylphenol		0.29 J	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
3,3'-Dichlorobenzidine		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
3,3'-Dimethylbenzidine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
3-Methylcholanthrene		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
3-Nitroaniline		ND(1.9)	ND(2.0) [ND(2.0)]	NA	ND(2.0)	ND(2.0)
4,6-Dinitro-2-methylphenol		ND(0.37) J	ND(0.40) J [ND(0.40) J]	NA	ND(0.39) J	ND(0.40) J
4-Aminobiphenyl		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
4-Bromophenyl-phenylether		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
4-Chloro-3-Methylphenol		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
4-Chloroaniline		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
4-Chlorobenzilate		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
4-Chlorophenyl-phenylether		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
4-Nitroaniline		ND(1.9)	ND(2.0) [ND(2.0)]	NA	ND(2.0)	ND(2.0)
4-Nitrophenol		ND(1.9) J	ND(2.0) J [ND(2.0) J]	NA	ND(2.0) J	ND(2.0) J
4-Nitroquinoline-1-oxide		ND(0.75) J	ND(0.80) J [ND(0.81) J]	NA	ND(0.78) J	ND(0.80) J
4-Phenylenediamine		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
5-Nitro-o-toluidine		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
7,12-Dimethylbenz(a)anthracene		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
a,a'-Dimethylphenethylamine		ND(0.75) J	ND(0.80) J [ND(0.81) J]	NA	ND(0.78) J	ND(0.80) J
Acenaphthene		ND(0.37)	ND(0.40) [0.46]	NA	ND(0.39)	ND(0.40)
Acenaphthylene		0.53	ND(0.40) [0.86]	NA	ND(0.39)	ND(0.40)
Acetophenone		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Aniline		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Anthracene		0.36 J	ND(0.40) [1.5]	NA	0.079 J	ND(0.40)
Aramite		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
Benizidine		ND(0.75) J	ND(0.80) J [ND(0.81) J]	NA	ND(0.78) J	ND(0.80) J
Benzo(a)anthracene		0.92	ND(0.40) [3.6]	NA	ND(0.39)	ND(0.40)
Benzo(a)pyrene		1.4	ND(0.40) [3.9]	NA	0.42	ND(0.40)
Benzo(b)fluoranthene		1.7	ND(0.40) [4.6]	NA	0.53	ND(0.40)
Benzo(g,h,i)perylene		1.0	ND(0.40) [2.7]	NA	0.30 J	ND(0.40)
Benzo(k)fluoranthene		0.57	ND(0.40) [1.7]	NA	0.20 J	ND(0.40)
Benzyl Alcohol		ND(0.75) J	ND(0.80) J [ND(0.81) J]	NA	ND(0.78) J	ND(0.80) J
bis(2-Chloroethoxy)methane		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
bis(2-Chloroethyl)ether		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
bis(2-Chloroisopropyl)ether		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
bis(2-Ethylhexyl)phthalate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	0.20 J	ND(0.40)
Butylbenzylphthalate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Chrysene		0.87	ND(0.40) [3.7]	NA	ND(0.39)	ND(0.40)
Diallate		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
Dibenzo(a,h)anthracene		0.26 J	ND(0.40) [0.66]	NA	ND(0.39)	ND(0.40)
Dibenzofuran		ND(0.37)	ND(0.40) [0.29 J]	NA	ND(0.39)	ND(0.40)
Diethylphthalate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Dimethylphthalate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Di-n-Butylphthalate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Di-n-Octylphthalate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Diphenylamine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)



**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S15 1-3 04/23/03	RAA11-S15 3-6 04/23/03	RAA11-S15 4-6 04/23/03	RAA11-S17 0-1 04/23/03	RAA11-S17 1-3 04/23/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Fluoranthene		1.6	ND(0.40) [8.6 E]	NA	0.62	ND(0.40)
Fluorene		0.14 J	ND(0.40) [0.75]	NA	ND(0.39)	ND(0.40)
Hexachlorobenzene		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Hexachlorobutadiene		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Hexachlorocyclopentadiene		ND(0.37) J	ND(0.40) J [ND(0.40) J]	NA	ND(0.39) J	ND(0.40) J
Hexachloroethane		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Hexachlorophene		ND(0.75) J	ND(0.80) J [ND(0.81) J]	NA	ND(0.78) J	ND(0.80) J
Hexachloropropene		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Indeno(1,2,3-cd)pyrene		0.82	ND(0.40) [2.2]	NA	0.24 J	ND(0.40)
Isodrin		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Isophorone		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Isosafrole		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
Methapyrilene		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
Methyl Methanesulfonate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Naphthalene		0.47	ND(0.40) [0.36 J]	NA	ND(0.39)	ND(0.40)
Nitrobenzene		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
N-Nitrosodiethylamine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
N-Nitrosodimethylamine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
N-Nitroso-di-n-butylamine		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
N-Nitroso-di-n-propylamine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
N-Nitrosodiphenylamine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
N-Nitrosomethylethylamine		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
N-Nitrosomorpholine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
N-Nitrosopiperidine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
N-Nitrosopyrrolidine		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
o,o,o-Triethylphosphorothioate		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
o-Toluidine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
p-Dimethylaminoazobenzene		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
Pentachlorobenzene		ND(0.37) J	ND(0.40) J [ND(0.40) J]	NA	ND(0.39) J	ND(0.40) J
Pentachloroethane		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Pentachloronitrobenzene		ND(0.75) J	ND(0.80) J [ND(0.81) J]	NA	ND(0.78) J	ND(0.80) J
Pentachlorophenol		ND(1.9)	ND(2.0) [ND(2.0)]	NA	ND(2.0) J	ND(2.0)
Phenacetin		ND(0.75)	ND(0.80) [ND(0.81)]	NA	ND(0.78)	ND(0.80)
Phenanthrene		0.89	ND(0.40) [5.3]	NA	0.30 J	ND(0.40)
Phenol		1.2	0.65 [0.53]	NA	ND(0.39) J	ND(0.40)
Pronamide		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Pyrene		1.7	ND(0.40) [ND(0.40)]	NA	0.68 J	ND(0.40)
Pyridine		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Safrole		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
Thionazin		ND(0.37)	ND(0.40) [ND(0.40)]	NA	ND(0.39)	ND(0.40)
<b>Organochlorine Pesticides</b>						
4,4'-DDD		NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA
Aldrin		NA	NA	NA	NA	NA
Alpha-BHC		NA	NA	NA	NA	NA
Alpha-Chlordane		NA	NA	NA	NA	NA
Beta-BHC		NA	NA	NA	NA	NA
Delta-BHC		NA	NA	NA	NA	NA
Dieldrin		NA	NA	NA	NA	NA
Endosulfan I		NA	NA	NA	NA	NA
Endosulfan II		NA	NA	NA	NA	NA
Endosulfan Sulfate		NA	NA	NA	NA	NA
Endrin		NA	NA	NA	NA	NA
Endrin Aldehyde		NA	NA	NA	NA	NA
Endrin Ketone		NA	NA	NA	NA	NA
Gamma-BHC (Lindane)		NA	NA	NA	NA	NA
Gamma-Chlordane		NA	NA	NA	NA	NA
Heptachlor		NA	NA	NA	NA	NA
Heptachlor Epoxide		NA	NA	NA	NA	NA
Kepone		NA	NA	NA	NA	NA
Methoxychlor		NA	NA	NA	NA	NA
Technical Chlordane		NA	NA	NA	NA	NA
Toxaphene		NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-S15 1-3 04/23/03	RAA11-S15 3-6 04/23/03	RAA11-S15 4-6 04/23/03	RAA11-S17 0-1 04/23/03	RAA11-S17 1-3 04/23/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	0.000016 Y	ND(0.0000030) [0.000044 Y]	NA	0.00022 Y	0.000014 Y
TCDFs (total)	0.0017 IQJ	0.000034 IQJ [0.00084 IJ]	NA	0.0034 I	0.00013 I
1,2,3,7,8-PeCDF	0.000025	ND(0.0000029) [ND(0.000021)]	NA	0.00095 J	0.000014 J
2,3,4,7,8-PeCDF	0.000064	0.0000037 J [0.00018]	NA	0.00020	0.0000097 J
PeCDFs (total)	0.00080 QJ	0.000022 QJ [0.0018 QJ]	NA	0.0041 I	0.00016
1,2,3,4,7,8-HxCDF	0.000012 J	0.0000013 J [ND(0.000035)]	NA	0.00071	0.0000075 J
1,2,3,6,7,8-HxCDF	0.0000093 J	ND(0.0000017) [0.000034]	NA	0.00019 I	ND(0.0000036) X
1,2,3,7,8,9-HxCDF	0.0000051 QJ	ND(0.0000029) [0.0000051 J]	NA	0.000058	ND(0.0000023)
2,3,4,6,7,8-HxCDF	0.000023	0.0000020 J [0.00012]	NA	0.00013	0.0000053 J
HxCDFs (total)	0.00039 QJ	0.000026 QJ [0.0019 J]	NA	0.0028	0.000075
1,2,3,4,6,7,8-HpCDF	0.000017 J	0.0000035 J [0.00012]	NA	0.00066	0.000014 J
1,2,3,4,7,8,9-HpCDF	0.0000032 J	ND(0.0000029) [0.000018 J]	NA	0.00023	0.0000019 J
HpCDFs (total)	0.000044	0.0000035 J [0.00034 J]	NA	0.0018	0.000035
OCDF	0.000010 J	0.0000062 J [0.000084]	NA	0.0033 J	0.000028 J
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.00000096) X	ND(0.0000014) [ND(0.0000015)]	NA	0.0000038 J	ND(0.0000015)
TCDDs (total)	0.000025	ND(0.0000041) [0.0000064]	NA	0.000023	ND(0.0000015)
1,2,3,7,8-PeCDD	ND(0.000012) X	ND(0.0000029) [ND(0.0000049)]	NA	ND(0.0000040)	ND(0.0000028) X
PeCDDs (total)	0.00017	ND(0.0000029) [0.0000099]	NA	0.000015 QJ	0.0000050
1,2,3,4,7,8-HxCDD	0.0000052 J	0.0000020 J [ND(0.0000031)]	NA	ND(0.0000083)	ND(0.0000023)
1,2,3,6,7,8-HxCDD	0.000014 J	0.0000018 J [ND(0.0000046) X]	NA	0.000016 J	0.0000034 J
1,2,3,7,8,9-HxCDD	ND(0.0000084) X	ND(0.0000029) QJ [ND(0.0000043) X]	NA	ND(0.000014) X	0.0000025 J
HxCDDs (total)	0.00027	0.0000018 QJ [0.000014 J]	NA	0.000086	0.000012
1,2,3,4,6,7,8-HpCDD	0.000021	0.0000057 J [0.000034]	NA	0.00041 J	0.000037
HpCDDs (total)	0.000055	0.000010 J [0.000060 J]	NA	0.00078	0.000064
OCDD	ND(0.000043)	ND(0.000026) [0.00016]	NA	0.0035 J	0.00021
Total TEQs (WHO TEFs)	0.000049	0.0000054 [0.00012]	NA	0.00030	0.000012
<b>Inorganics</b>					
Antimony	ND(6.00)	ND(6.00) [ND(6.00)]	NA	1.30 B	1.60 B
Arsenic	5.90	7.10 [8.20]	NA	5.80	5.80
Barium	24.0	38.0 [57.0]	NA	62.0	82.0
Beryllium	0.200 B	0.320 B [0.200 B]	NA	0.330 B	0.280 B
Cadmium	ND(0.500)	ND(0.500) [0.310 B]	NA	ND(0.500)	ND(0.500)
Chromium	6.50 J	9.60 J [10.0 J]	NA	31.0 J	34.0 J
Cobalt	7.60	9.60 [6.20]	NA	8.50	9.20
Copper	28.0 J	24.0 J [140 J]	NA	100 J	100 J
Cyanide	0.0510 B	0.0590 B [0.240 B]	NA	0.210 B	0.0990 B
Lead	34.0 J	22.0 J [150 J]	NA	310 J	350 J
Mercury	0.210	0.110 B [0.440]	NA	17.0	0.130
Nickel	13.0	18.0 [11.0]	NA	28.0	14.0
Selenium	ND(1.00) J	ND(1.00) J [ND(1.00) J]	NA	ND(1.00) J	ND(1.00) J
Silver	ND(1.00)	ND(1.00) [ND(1.00)]	NA	0.450 B	ND(1.00)
Sulfide	12.0 J	23.0 J [570 J]	NA	46.0 J	21.0 J
Thallium	ND(1.10) J	ND(1.20) J [ND(1.20) J]	NA	ND(1.20) J	ND(1.20) J
Tin	ND(10.0)	ND(10.0) [61.0]	NA	ND(10.0)	ND(12.0)
Vanadium	7.10	11.0 [8.00]	NA	27.0	10.0
Zinc	49.0 J	64.0 J [270 J]	NA	350 J	350 J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T2 0-1 05/06/03	RAA11-T4 0-1 04/30/03	RAA11-T4 6-10 04/30/03	RAA11-T4 8-10 04/30/03	RAA11-T6 0-1 04/30/03	RAA11-T6 1-3 04/30/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,1,1-Trichloroethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,1,2,2-Tetrachloroethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,1,2-Trichloroethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,1-Dichloroethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,1-Dichloroethene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,2,3-Trichloropropane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,2-Dibromo-3-chloropropane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,2-Dibromoethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,2-Dichloroethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,2-Dichloropropane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
1,4-Dioxane	ND(0.10) J	ND(0.11) J	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J
2-Butanone	ND(0.010)	ND(0.011)	NA	ND(0.011)	ND(0.010)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
2-Chloroethylvinylether	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
2-Hexanone	ND(0.010)	ND(0.011)	NA	ND(0.011)	ND(0.010)	ND(0.011)
3-Chloropropene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
4-Methyl-2-pentanone	ND(0.010)	ND(0.011)	NA	ND(0.011)	ND(0.010)	ND(0.011)
Acetone	ND(0.021)	ND(0.021) J	NA	ND(0.021) J	ND(0.021) J	ND(0.021) J
Acetonitrile	ND(0.10) J	ND(0.11) J	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J
Acrolein	ND(0.10) J	ND(0.11) J	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J
Acrylonitrile	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Benzene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Bromodichloromethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Bromoform	ND(0.0053) J	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Bromomethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Carbon Disulfide	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Carbon Tetrachloride	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Chlorobenzene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Chloroethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Chloroform	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Chloromethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
cis-1,3-Dichloropropene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Dibromochloromethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Dibromomethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Dichlorodifluoromethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Ethyl Methacrylate	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Ethylbenzene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Iodomethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Isobutanol	ND(0.10) J	ND(0.11) J	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J
Methacrylonitrile	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Methyl Methacrylate	ND(0.0053)	ND(0.0054) J	NA	ND(0.0053) J	ND(0.0052) J	ND(0.0053) J
Methylene Chloride	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Propionitrile	ND(0.010) J	ND(0.011) J	NA	ND(0.011) J	ND(0.010) J	ND(0.011) J
Styrene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Tetrachloroethene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Toluene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
trans-1,2-Dichloroethene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
trans-1,3-Dichloropropene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
trans-1,4-Dichloro-2-butene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Trichloroethene	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Trichlorofluoromethane	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Vinyl Acetate	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Vinyl Chloride	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
Xylenes (total)	ND(0.0053)	ND(0.0054)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
1,2,4-Trichlorobenzene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
1,2-Dichlorobenzene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
1,2-Diphenylhydrazine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
1,3,5-Trinitrobenzene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
1,3-Dichlorobenzene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
1,3-Dinitrobenzene	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
1,4-Dichlorobenzene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
1,4-Naphthoquinone	ND(0.71) J	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T2 0-1 05/06/03	RAA11-T4 0-1 04/30/03	RAA11-T4 6-10 04/30/03	RAA11-T4 8-10 04/30/03	RAA11-T6 0-1 04/30/03	RAA11-T6 1-3 04/30/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
2,3,4,6-Tetrachlorophenol	ND(0.35) J	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2,4,5-Trichlorophenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2,4,6-Trichlorophenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2,4-Dichlorophenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2,4-Dimethylphenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2,4-Dinitrophenol	ND(1.8)	ND(1.8) J	NA	NA	ND(1.8) J	ND(1.8) J
2,4-Dinitrotoluene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2,6-Dichlorophenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2,6-Dinitrotoluene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2-Acetylaminofluorene	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
2-Chloronaphthalene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2-Chlorophenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2-Methylnaphthalene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2-Methylphenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
2-Naphthylamine	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
2-Nitroaniline	ND(1.8)	ND(1.8)	NA	NA	ND(1.8)	ND(1.8)
2-Nitrophenol	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
2-Picoline	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
3&4-Methylphenol	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
3,3'-Dichlorobenzidine	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
3,3'-Dimethylbenzidine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
3-Methylcholanthrene	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
3-Nitroaniline	ND(1.8)	ND(1.8)	NA	NA	ND(1.8)	ND(1.8)
4,6-Dinitro-2-methylphenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
4-Aminobiphenyl	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
4-Bromophenyl-phenylether	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
4-Chloro-3-Methylphenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
4-Chloroaniline	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
4-Chlorobenzilate	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
4-Chlorophenyl-phenylether	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
4-Nitroaniline	ND(1.8)	ND(1.8)	NA	NA	ND(1.8)	ND(1.8)
4-Nitrophenol	ND(1.8) J	ND(1.8) J	NA	NA	ND(1.8) J	ND(1.8) J
4-Nitroquinoline-1-oxide	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
4-Phenylenediamine	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
5-Nitro-o-toluidine	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
7,12-Dimethylbenz(a)anthracene	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
a,a'-Dimethylphenethylamine	ND(0.71) J	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
Acenaphthene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Acenaphthylene	0.19 J	1.9	NA	NA	ND(0.35)	ND(0.35)
Acetophenone	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Aniline	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Anthracene	ND(0.35)	0.76	NA	NA	ND(0.35)	ND(0.35)
Aramite	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
Benzidine	ND(0.71) J	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
Benzo(a)anthracene	0.20 J	1.7	NA	NA	ND(0.35)	ND(0.35)
Benzo(a)pyrene	0.27 J	3.5	NA	NA	ND(0.35)	0.10 J
Benzo(b)fluoranthene	0.39	3.9	NA	NA	ND(0.35)	0.12 J
Benzo(g,h,i)perylene	0.27 J	3.0	NA	NA	ND(0.35)	0.12 J
Benzo(k)fluoranthene	0.16 J	1.4	NA	NA	ND(0.35)	ND(0.35)
Benzyl Alcohol	ND(0.71) J	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
bis(2-Chloroethoxy)methane	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
bis(2-Chloroethyl)ether	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
bis(2-Chloroisopropyl)ether	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(0.35)	NA	NA	ND(0.34)	ND(0.35)
Butylbenzylphthalate	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Chrysene	0.22 J	1.6	NA	NA	ND(0.35)	ND(0.35)
Diallylate	ND(0.71) J	ND(0.72) J	NA	NA	ND(0.70) J	ND(0.71) J
Dibenzo(a,h)anthracene	ND(0.35)	0.67	NA	NA	ND(0.35)	ND(0.35)
Dibenzofuran	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Diethylphthalate	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Dimethylphthalate	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Di-n-Butylphthalate	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Di-n-Octylphthalate	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Diphenylamine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)

**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T2 0-1 05/06/03	RAA11-T4 0-1 04/30/03	RAA11-T4 6-10 04/30/03	RAA11-T4 8-10 04/30/03	RAA11-T6 0-1 04/30/03	RAA11-T6 1-3 04/30/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Fluoranthene	0.31 J	1.8	NA	NA	ND(0.35)	0.080 J
Fluorene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Hexachlorobenzene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Hexachlorobutadiene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Hexachlorocyclopentadiene	ND(0.35) J	ND(0.36) J	NA	NA	ND(0.35) J	ND(0.35) J
Hexachloroethane	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Hexachlorophene	ND(0.71) J	ND(0.72) J	NA	NA	ND(0.70) J	ND(0.71) J
Hexachloropropene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Indeno(1,2,3-cd)pyrene	0.20 J	2.1	NA	NA	ND(0.35)	ND(0.35)
Isodrin	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Isophorone	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Isosafrole	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
Methapyrilene	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
Methyl Methanesulfonate	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Naphthalene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Nitrobenzene	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
N-Nitrosodiethylamine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
N-Nitrosodimethylamine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
N-Nitroso-di-n-butylamine	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
N-Nitroso-di-n-propylamine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
N-Nitrosodiphenylamine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
N-Nitrosomethylethylamine	ND(0.71) J	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
N-Nitrosomorpholine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
N-Nitrosopiperidine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
N-Nitrosopyrrolidine	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
o,o,o-Triethylphosphorothioate	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
o-Toluidine	ND(0.35)	ND(0.36) J	NA	NA	ND(0.35) J	ND(0.35) J
p-Dimethylaminoazobenzene	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
Pentachlorobenzene	ND(0.35) J	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Pentachloroethane	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Pentachloronitrobenzene	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
Pentachlorophenol	ND(1.8)	ND(1.8)	NA	NA	ND(1.8)	ND(1.8)
Phenacetin	ND(0.71)	ND(0.72)	NA	NA	ND(0.70)	ND(0.71)
Phenanthrene	0.11 J	0.44	NA	NA	ND(0.35)	ND(0.35)
Phenol	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Pronamide	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Pyrene	0.37	2.9	NA	NA	ND(0.35)	0.094 J
Pyridine	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Safrole	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
Thionazin	ND(0.35)	ND(0.36)	NA	NA	ND(0.35)	ND(0.35)
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T2 0-1 05/06/03	RAA11-T4 0-1 04/30/03	RAA11-T4 6-10 04/30/03	RAA11-T4 8-10 04/30/03	RAA11-T6 0-1 04/30/03	RAA11-T6 1-3 04/30/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000092 J	ND(0.000020) X	ND(0.000016)	NA	ND(0.000018)	0.000034 J
TCDFs (total)	0.00023	ND(0.000014)	ND(0.000016)	NA	ND(0.000017)	0.000041
1,2,3,7,8-PeCDF	0.000012 J	ND(0.000025)	ND(0.000026)	NA	ND(0.000028)	ND(0.000018) X
2,3,4,7,8-PeCDF	0.000029	ND(0.000017) X	ND(0.000026)	NA	ND(0.000028)	0.000075 J
PeCDFs (total)	0.00042	ND(0.000040)	ND(0.000026)	NA	ND(0.000028)	0.000089
1,2,3,4,7,8-HxCDF	0.000089	ND(0.000019) X	ND(0.000026)	NA	ND(0.000028)	0.000024 J
1,2,3,6,7,8-HxCDF	0.000017 J	ND(0.000025)	ND(0.000026)	NA	ND(0.000028)	0.000024 J
1,2,3,7,8,9-HxCDF	ND(0.000012) X	ND(0.000025)	ND(0.000026)	NA	ND(0.000028)	ND(0.000035)
2,3,4,6,7,8-HxCDF	0.000014 J	ND(0.000025)	ND(0.000026)	NA	ND(0.000028)	ND(0.000056) X
HxCDFs (total)	0.00035	ND(0.000025)	ND(0.000026)	NA	0.000030	0.000064
1,2,3,4,6,7,8-HpCDF	0.000092	0.000020 J	ND(0.000026)	NA	ND(0.000031)	ND(0.000057)
1,2,3,4,7,8,9-HpCDF	0.000044	ND(0.000034)	ND(0.000026)	NA	ND(0.000038)	ND(0.000053)
HpCDFs (total)	0.00029	0.000020	ND(0.000026)	NA	ND(0.000031)	ND(0.000057)
OCDF	0.00036	ND(0.000066)	ND(0.000058)	NA	ND(0.000081)	ND(0.000096)
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000016)	ND(0.000013)	ND(0.000015)	NA	ND(0.000018)	ND(0.000012)
TCDDs (total)	ND(0.000035)	ND(0.000032)	ND(0.000032)	NA	ND(0.000037)	ND(0.000033)
1,2,3,7,8-PeCDD	ND(0.000099) X	ND(0.000025)	ND(0.000026)	NA	ND(0.000028)	ND(0.000024)
PeCDDs (total)	0.000080	ND(0.000025)	ND(0.000045)	NA	ND(0.000041)	ND(0.000024)
1,2,3,4,7,8-HxCDD	ND(0.000028) X	ND(0.000025)	ND(0.000030)	NA	ND(0.000030)	ND(0.000037)
1,2,3,6,7,8-HxCDD	0.000039 J	ND(0.000025)	ND(0.000027)	NA	ND(0.000028)	ND(0.000033)
1,2,3,7,8,9-HxCDD	ND(0.000039) X	ND(0.000025)	ND(0.000030)	NA	ND(0.000029)	ND(0.000036)
HxCDDs (total)	0.00018	ND(0.000046)	ND(0.000041)	NA	ND(0.000053)	ND(0.000035)
1,2,3,4,6,7,8-HpCDD	0.000045	0.000027 J	ND(0.000031)	NA	0.000012 J	0.000069 J
HpCDDs (total)	0.000097	0.000027	ND(0.000031)	NA	0.000021	0.000069
OCDD	0.00038	ND(0.000020)	ND(0.000091)	NA	0.000093	ND(0.000034)
Total TEQs (WHO TEFs)	0.000037	0.000034	0.000038	NA	0.000043	0.000075
<b>Inorganics</b>						
Antimony	0.920 B	ND(10.0)	ND(10.0)	NA	ND(6.00)	ND(10.0)
Arsenic	2.70	3.90	5.60	NA	2.80	4.60
Barium	16.0 B	20.0 B	11.0 B	NA	27.0	29.0
Beryllium	0.200 B	0.160 B	0.160 B	NA	0.110 B	0.170 B
Cadmium	0.240 B	0.260 B	0.220 B	NA	0.220 B	0.260 B
Chromium	10.0	5.40	6.50	NA	4.00	5.80
Cobalt	5.40	5.70	8.40	NA	7.80	12.0
Copper	18.0	14.0	20.0	NA	11.0	17.0
Cyanide	0.0250 B	0.0230 B	ND(0.110)	NA	0.0290 B	ND(0.210)
Lead	18.0	15.0	9.00	NA	6.00	23.0
Mercury	0.0580 B	0.0240 B	0.130	NA	0.0140 B	0.0300 B
Nickel	10.0	10.0	14.0	NA	10.0	12.0
Selenium	ND(1.00)	ND(1.00) J	ND(1.00) J	NA	0.770 J	0.630 J
Silver	0.110 B	ND(6.00)	ND(1.00)	NA	0.160 B	ND(6.00)
Sulfide	20.0	26.0 J	59.0 J	NA	23.0 J	12.0 J
Thallium	ND(1.00) J	ND(1.10) J	ND(1.10) J	NA	ND(1.00) J	ND(1.10) J
Tin	ND(10.0)	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0)
Vanadium	5.70	5.20	5.10	NA	7.30	12.0
Zinc	42.0	33.0	35.0	NA	26.0	39.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T6 3-4 04/30/03	RAA11-T6 3-6 04/30/03	RAA11-T6 10-12 04/30/03	RAA11-T6 10-15 04/30/03	RAA11-T10 0-1 05/06/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,1,1-Trichloroethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,1,2-Tetrachloroethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,1,2-Trichloroethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,1-Dichloroethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,1-Dichloroethene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,2,3-Trichloropropane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,2-Dibromo-3-chloropropane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,2-Dibromoethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,2-Dichloroethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,2-Dichloropropane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
1,4-Dioxane	ND(0.11) J	NA	ND(0.10) J	NA	ND(0.11) J
2-Butanone	ND(0.011)	NA	ND(0.010)	NA	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
2-Chloroethylvinylether	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
2-Hexanone	ND(0.011)	NA	ND(0.010)	NA	ND(0.011)
3-Chloropropene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
4-Methyl-2-pentanone	ND(0.011) J	NA	ND(0.010)	NA	ND(0.011)
Acetone	ND(0.022) J	NA	ND(0.021) J	NA	ND(0.022)
Acetonitrile	ND(0.11) J	NA	ND(0.10) J	NA	ND(0.11) J
Acrolein	ND(0.11) J	NA	ND(0.10) J	NA	ND(0.11) J
Acrylonitrile	ND(0.0055) J	NA	ND(0.0052)	NA	ND(0.0054)
Benzene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Bromodichloromethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Bromoform	ND(0.0055) J	NA	ND(0.0052)	NA	ND(0.0054) J
Bromomethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Carbon Disulfide	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Carbon Tetrachloride	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Chlorobenzene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Chloroethane	ND(0.0055) J	NA	ND(0.0052)	NA	ND(0.0054)
Chloroform	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Chloromethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
cis-1,3-Dichloropropene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Dibromochloromethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Dibromomethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Dichlorodifluoromethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Ethyl Methacrylate	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Ethylbenzene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Iodomethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Isobutanol	ND(0.11) J	NA	ND(0.10) J	NA	ND(0.11) J
Methacrylonitrile	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Methyl Methacrylate	ND(0.0055)	NA	ND(0.0052) J	NA	ND(0.0054)
Methylene Chloride	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Propionitrile	ND(0.011) J	NA	ND(0.010) J	NA	ND(0.011) J
Styrene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Tetrachloroethene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Toluene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
trans-1,2-Dichloroethene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
trans-1,3-Dichloropropene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
trans-1,4-Dichloro-2-butene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Trichloroethene	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Trichlorofluoromethane	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Vinyl Acetate	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Vinyl Chloride	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
Xylenes (total)	ND(0.0055)	NA	ND(0.0052)	NA	ND(0.0054)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
1,2,4-Trichlorobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
1,2-Dichlorobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
1,2-Diphenylhydrazine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
1,3,5-Trinitrobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
1,3-Dichlorobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
1,3-Dinitrobenzene	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
1,4-Dichlorobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
1,4-Naphthoquinone	NA	ND(0.74)	NA	ND(0.78)	ND(0.72) J

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T6 3-4 04/30/03	RAA11-T6 3-6 04/30/03	RAA11-T6 10-12 04/30/03	RAA11-T6 10-15 04/30/03	RAA11-T10 0-1 05/06/03
<b>Semivolatle Organics (continued)</b>					
1-Naphthylamine	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
2,3,4,6-Tetrachlorophenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47) J
2,4,5-Trichlorophenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2,4,6-Trichlorophenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2,4-Dichlorophenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2,4-Dimethylphenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2,4-Dinitrophenol	NA	ND(1.9) J	NA	ND(2.0) J	ND(2.3)
2,4-Dinitrotoluene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2,6-Dichlorophenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2,6-Dinitrotoluene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2-Acetylaminofluorene	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
2-Chloronaphthalene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2-Chlorophenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2-Methylnaphthalene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2-Methylphenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
2-Naphthylamine	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
2-Nitroaniline	NA	ND(1.9)	NA	ND(2.0)	ND(2.3)
2-Nitrophenol	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
2-Picoline	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
3&4-Methylphenol	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
3,3'-Dichlorobenzidine	NA	ND(0.74)	NA	ND(0.78)	ND(0.94)
3,3'-Dimethylbenzidine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
3-Methylcholanthrene	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
3-Nitroaniline	NA	ND(1.9)	NA	ND(2.0)	ND(2.3)
4,6-Dinitro-2-methylphenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
4-Aminobiphenyl	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
4-Bromophenyl-phenylether	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
4-Chloro-3-Methylphenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
4-Chloroaniline	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
4-Chlorobenzilate	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
4-Chlorophenyl-phenylether	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
4-Nitroaniline	NA	ND(1.9)	NA	ND(2.0)	ND(1.8)
4-Nitrophenol	NA	ND(1.9) J	NA	ND(2.0) J	ND(2.3) J
4-Nitroquinoline-1-oxide	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
4-Phenylenediamine	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
5-Nitro-o-toluidine	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
7,12-Dimethylbenz(a)anthracene	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
a,a'-Dimethylphenethylamine	NA	ND(0.74)	NA	ND(0.78)	ND(0.72) J
Acenaphthene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Acenaphthylene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Acetophenone	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Aniline	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Anthracene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Aramite	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
Benzidine	NA	ND(0.74)	NA	ND(0.78)	ND(0.94) J
Benzo(a)anthracene	NA	ND(0.37)	NA	ND(0.39)	0.25 J
Benzo(a)pyrene	NA	ND(0.37)	NA	ND(0.39)	0.20 J
Benzo(b)fluoranthene	NA	ND(0.37)	NA	ND(0.39)	0.34 J
Benzo(g,h,i)perylene	NA	ND(0.37)	NA	ND(0.39)	0.19 J
Benzo(k)fluoranthene	NA	ND(0.37)	NA	ND(0.39)	0.12 J
Benzyl Alcohol	NA	ND(0.74)	NA	ND(0.78)	ND(0.94) J
bis(2-Chloroethoxy)methane	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
bis(2-Chloroethyl)ether	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
bis(2-Chloroisopropyl)ether	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
bis(2-Ethylhexyl)phthalate	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)
Butylbenzylphthalate	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Chrysene	NA	ND(0.37)	NA	ND(0.39)	0.27 J
Diallate	NA	ND(0.74) J	NA	ND(0.78) J	ND(0.72) J
Dibenzo(a,h)anthracene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Dibenzofuran	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Diethylphthalate	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Dimethylphthalate	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Di-n-Butylphthalate	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Di-n-Octylphthalate	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Diphenylamine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T6 3-4 04/30/03	RAA11-T6 3-6 04/30/03	RAA11-T6 10-12 04/30/03	RAA11-T6 10-15 04/30/03	RAA11-T10 0-1 05/06/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Fluoranthene	NA	ND(0.37)	NA	ND(0.39)	0.50
Fluorene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Hexachlorobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Hexachlorobutadiene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Hexachlorocyclopentadiene	NA	ND(0.37) J	NA	ND(0.39) J	ND(0.47) J
Hexachloroethane	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Hexachlorophene	NA	ND(0.74) J	NA	ND(0.78) J	ND(0.94) J
Hexachloropropene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Indeno(1,2,3-cd)pyrene	NA	ND(0.37)	NA	ND(0.39)	0.13 J
Isodrin	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Isophorone	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Isosafrole	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
Methapyrilene	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
Methyl Methanesulfonate	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Naphthalene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Nitrobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
N-Nitrosodiethylamine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
N-Nitrosodimethylamine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
N-Nitroso-di-n-butylamine	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
N-Nitroso-di-n-propylamine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
N-Nitrosodiphenylamine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
N-Nitrosomethylethylamine	NA	ND(0.74)	NA	ND(0.78)	ND(0.72) J
N-Nitrosomorpholine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
N-Nitrosopiperidine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
N-Nitrosopyrrolidine	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
o,o,o-Triethylphosphorothioate	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
o-Toluidine	NA	ND(0.37) J	NA	ND(0.39) J	ND(0.47)
p-Dimethylaminoazobenzene	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
Pentachlorobenzene	NA	ND(0.37)	NA	ND(0.39)	ND(0.47) J
Pentachloroethane	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Pentachloronitrobenzene	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
Pentachlorophenol	NA	ND(1.9)	NA	ND(2.0)	ND(2.3)
Phenacetin	NA	ND(0.74)	NA	ND(0.78)	ND(0.72)
Phenanthrene	NA	ND(0.37)	NA	ND(0.39)	0.34 J
Phenol	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Pronamide	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Pyrene	NA	ND(0.37)	NA	ND(0.39)	0.46 J
Pyridine	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Safrole	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
Thionazin	NA	ND(0.37)	NA	ND(0.39)	ND(0.47)
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T6 3-4 04/30/03	RAA11-T6 3-6 04/30/03	RAA11-T6 10-12 04/30/03	RAA11-T6 10-15 04/30/03	RAA11-T10 0-1 05/06/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	NA	0.000053 J	NA	ND(0.000013)	ND(0.000027)
TCDFs (total)	NA	0.000028	NA	ND(0.000013)	0.000035
1,2,3,7,8-PeCDF	NA	ND(0.000028)	NA	ND(0.000024)	ND(0.000025)
2,3,4,7,8-PeCDF	NA	ND(0.000052) X	NA	ND(0.000024)	0.000035 J
PeCDFs (total)	NA	0.000041	NA	ND(0.000024)	0.000050
1,2,3,4,7,8-HxCDF	NA	ND(0.000033)	NA	ND(0.000024)	0.000020 J
1,2,3,6,7,8-HxCDF	NA	ND(0.000030)	NA	ND(0.000024)	ND(0.000021) X
1,2,3,7,8,9-HxCDF	NA	ND(0.000040)	NA	ND(0.000027)	ND(0.000025)
2,3,4,6,7,8-HxCDF	NA	ND(0.000033)	NA	ND(0.000024)	ND(0.000039) X
HxCDFs (total)	NA	0.000011	NA	ND(0.000024)	0.000044
1,2,3,4,6,7,8-HpCDF	NA	ND(0.000045)	NA	ND(0.000024)	ND(0.000091) X
1,2,3,4,7,8,9-HpCDF	NA	ND(0.000056)	NA	ND(0.000030)	ND(0.000031)
HpCDFs (total)	NA	ND(0.000045)	NA	ND(0.000026)	0.000014
OCDF	NA	ND(0.000072)	NA	ND(0.000052)	0.000016 J
<b>Dioxins</b>					
2,3,7,8-TCDD	NA	ND(0.000017)	NA	ND(0.000014)	ND(0.000026)
TCDDs (total)	NA	ND(0.000043)	NA	ND(0.000027)	ND(0.000025)
1,2,3,7,8-PeCDD	NA	ND(0.000029)	NA	ND(0.000024)	ND(0.000025)
PeCDDs (total)	NA	ND(0.000042)	NA	0.000038	ND(0.000044)
1,2,3,4,7,8-HxCDD	NA	ND(0.000048)	NA	ND(0.000029)	ND(0.000025)
1,2,3,6,7,8-HxCDD	NA	ND(0.000042)	NA	ND(0.000026)	ND(0.000031) X
1,2,3,7,8,9-HxCDD	NA	ND(0.000047)	NA	ND(0.000029)	ND(0.000018) X
HxCDDs (total)	NA	ND(0.000045)	NA	ND(0.000042)	0.000035
1,2,3,4,6,7,8-HpCDD	NA	ND(0.000066)	NA	ND(0.000038)	0.000092
HpCDDs (total)	NA	ND(0.000066)	NA	ND(0.000038)	0.00016
OCDD	NA	ND(0.000014)	NA	ND(0.000076)	0.00050
Total TEQs (WHO TEFs)	NA	0.000056	NA	0.000036	0.000065
<b>Inorganics</b>					
Antimony	NA	ND(10.0)	NA	ND(6.00)	1.80 B
Arsenic	NA	5.30	NA	6.10	2.70
Barium	NA	76.0	NA	22.0	24.0
Beryllium	NA	0.160 B	NA	0.170 B	0.190 B
Cadmium	NA	1.10	NA	0.400 B	0.430 B
Chromium	NA	6.40	NA	10.0	9.50
Cobalt	NA	6.80	NA	9.90	5.40
Copper	NA	38.0	NA	18.0	32.0
Cyanide	NA	ND(0.220)	NA	ND(0.580)	0.0750 B
Lead	NA	230	NA	6.70	180
Mercury	NA	0.0580 B	NA	0.0110 B	0.0320 B
Nickel	NA	11.0	NA	19.0	11.0
Selenium	NA	0.780 J	NA	ND(1.00) J	ND(1.00)
Silver	NA	ND(6.00)	NA	ND(6.00)	ND(1.00)
Sulfide	NA	8.90 J	NA	20.0 J	61.0
Thallium	NA	ND(1.10) J	NA	ND(1.20) J	ND(1.10) J
Tin	NA	ND(10.0)	NA	ND(1.0)	ND(10.0)
Vanadium	NA	6.80	NA	8.70	5.90
Zinc	NA	170	NA	56.0	60.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T12 0-1 05/01/03	RAA11-T12 1-3 05/01/03	RAA11-T12 3-6 05/01/03	RAA11-T12 5-5.5 05/01/03	RAA11-T12 6-8 05/01/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,1,1-Trichloroethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,1,2,2-Tetrachloroethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,1,2-Trichloroethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,1-Dichloroethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,1-Dichloroethene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,2,3-Trichloropropane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,2-Dibromo-3-chloropropane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,2-Dibromoethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,2-Dichloroethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,2-Dichloropropane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
1,4-Dioxane	ND(0.11) J [ND(0.11)]	ND(0.12) J	NA	ND(0.12) J	ND(0.11) J
2-Butanone	ND(0.011) [ND(0.011)]	ND(0.012)	NA	ND(0.012)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
2-Chloroethylvinylether	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
2-Hexanone	ND(0.011) [ND(0.011)]	ND(0.012)	NA	ND(0.012)	ND(0.011)
3-Chloropropene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
4-Methyl-2-pentanone	ND(0.011) J [ND(0.011)]	ND(0.012) J	NA	ND(0.012) J	ND(0.011) J
Acetone	ND(0.022) J [ND(0.022)]	ND(0.025) J	NA	ND(0.023) J	0.025 J
Acetonitrile	ND(0.11) J [ND(0.11)]	ND(0.12) J	NA	ND(0.12) J	ND(0.11) J
Acrolein	ND(0.11) J [ND(0.11)]	ND(0.12) J	NA	ND(0.12) J	ND(0.11) J
Acrylonitrile	ND(0.0056) J [ND(0.0056)]	ND(0.0062) J	NA	ND(0.0058) J	ND(0.0056) J
Benzene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Bromodichloromethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Bromofom	ND(0.0056) J [ND(0.0056)]	ND(0.0062) J	NA	ND(0.0058) J	ND(0.0056) J
Bromomethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Carbon Disulfide	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Carbon Tetrachloride	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Chlorobenzene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Chloroethane	ND(0.0056) J [ND(0.0056)]	ND(0.0062) J	NA	ND(0.0058) J	ND(0.0056) J
Chloroform	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Chloromethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
cis-1,3-Dichloropropene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Dibromochloromethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Dibromomethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Dichlorodifluoromethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Ethyl Methacrylate	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Ethylbenzene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Iodomethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Isobutanol	ND(0.11) J [ND(0.11)]	ND(0.12) J	NA	ND(0.12) J	ND(0.11) J
Methacrylonitrile	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Methyl Methacrylate	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Methylene Chloride	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Propionitrile	ND(0.011) J [ND(0.011)]	ND(0.012) J	NA	ND(0.012) J	ND(0.011) J
Styrene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Tetrachloroethene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Toluene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
trans-1,2-Dichloroethene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
trans-1,3-Dichloropropene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
trans-1,4-Dichloro-2-butene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Trichloroethene	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Trichlorofluoromethane	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Vinyl Acetate	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Vinyl Chloride	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
Xylenes (total)	ND(0.0056) [ND(0.0056)]	ND(0.0062)	NA	ND(0.0058)	ND(0.0056)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
1,2,4-Trichlorobenzene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
1,2-Dichlorobenzene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
1,2-Diphenylhydrazine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
1,3,5-Trinitrobenzene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
1,3-Dichlorobenzene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
1,3-Dinitrobenzene	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
1,4-Dichlorobenzene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
1,4-Naphthoquinone	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T12 0-1 05/01/03	RAA11-T12 1-3 05/01/03	RAA11-T12 3-6 05/01/03	RAA11-T12 5-5.5 05/01/03	RAA11-T12 6-8 05/01/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
2,3,4,6-Tetrachlorophenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2,4,5-Trichlorophenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2,4,6-Trichlorophenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2,4-Dichlorophenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2,4-Dimethylphenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2,4-Dinitrophenol	ND(1.9) J [ND(1.9) J]	ND(2.1) J	ND(1.9) J	NA	NA
2,4-Dinitrotoluene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2,6-Dichlorophenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2,6-Dinitrotoluene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2-Acetylaminofluorene	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
2-Chloronaphthalene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2-Chlorophenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2-Methylnaphthalene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2-Methylphenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
2-Naphthylamine	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
2-Nitroaniline	ND(1.9) [ND(1.9)]	ND(2.1)	ND(1.9)	NA	NA
2-Nitrophenol	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
2-Picoline	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
3&4-Methylphenol	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
3,3'-Dichlorobenzidine	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
3,3'-Dimethylbenzidine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
3-Methylcholanthrene	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
3-Nitroaniline	ND(1.9) [ND(1.9)]	ND(2.1)	ND(1.9)	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.37) J [ND(0.37) J]	ND(0.42) J	ND(0.38) J	NA	NA
4-Aminobiphenyl	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
4-Bromophenyl-phenylether	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
4-Chloro-3-Methylphenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
4-Chloroaniline	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
4-Chlorobenzilate	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
4-Chlorophenyl-phenylether	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
4-Nitroaniline	ND(1.9) [ND(1.9)]	ND(2.1)	ND(1.9)	NA	NA
4-Nitrophenol	ND(1.9) J [ND(1.9) J]	ND(2.1) J	ND(1.9) J	NA	NA
4-Nitroquinoline-1-oxide	ND(0.75) J [ND(0.75) J]	ND(0.84) J	ND(0.75) J	NA	NA
4-Phenylenediamine	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
5-Nitro-o-toluidine	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
7,12-Dimethylbenz(a)anthracene	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
a,a'-Dimethylphenethylamine	ND(0.75) J [ND(0.75) J]	ND(0.84) J	ND(0.75) J	NA	NA
Acenaphthene	ND(0.37) [0.28 J]	ND(0.42)	ND(0.38)	NA	NA
Acenaphthylene	ND(0.37) [0.086 J]	ND(0.42)	0.17 J	NA	NA
Acetophenone	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Aniline	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Anthracene	ND(0.37) [ND(0.37)]	ND(0.42)	0.28 J	NA	NA
Aramite	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
Benzidine	ND(0.75) J [ND(0.75) J]	ND(0.84) J	ND(0.75) J	NA	NA
Benzo(a)anthracene	0.12 J [0.18 J]	0.15 J	0.84	NA	NA
Benzo(a)pyrene	0.15 J [0.22 J]	0.14 J	1.1	NA	NA
Benzo(b)fluoranthene	0.21 J [0.29 J]	0.21 J	0.96	NA	NA
Benzo(g,h,i)perylene	0.11 J [0.18 J]	ND(0.42)	1.2	NA	NA
Benzo(k)fluoranthene	ND(0.37) [0.11 J]	ND(0.42)	0.34 J	NA	NA
Benzyl Alcohol	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
bis(2-Chloroethoxy)methane	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
bis(2-Chloroethyl)ether	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
bis(2-Chloroisopropyl)ether	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.37) [ND(0.37)]	ND(0.41)	ND(0.37)	NA	NA
Butylbenzylphthalate	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Chrysene	ND(0.37) [0.20 J]	0.17 J	0.92	NA	NA
Diallate	ND(0.75) J [ND(0.75) J]	ND(0.84) J	ND(0.75) J	NA	NA
Dibenzo(a,h)anthracene	ND(0.37) [ND(0.37)]	ND(0.42)	0.16 J	NA	NA
Dibenzofuran	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Diethylphthalate	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Dimethylphthalate	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Di-n-Butylphthalate	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Di-n-Octylphthalate	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Diphenylamine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA

**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T12 0-1 05/01/03	RAA11-T12 1-3 05/01/03	RAA11-T12 3-6 05/01/03	RAA11-T12 5-5.5 05/01/03	RAA11-T12 6-8 05/01/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Fluoranthene	ND(0.37) [0.28 J]	0.35 J	1.8	NA	NA
Fluorene	ND(0.37) [ND(0.37)]	ND(0.42)	0.19 J	NA	NA
Hexachlorobenzene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Hexachlorobutadiene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Hexachlorocyclopentadiene	ND(0.37) J [ND(0.37) J]	ND(0.42) J	ND(0.38) J	NA	NA
Hexachloroethane	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Hexachlorophene	ND(0.75) J [ND(0.75) J]	ND(0.84) J	ND(0.75) J	NA	NA
Hexachloropropene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.37) [0.14 J]	ND(0.42)	0.40	NA	NA
Isodrin	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Isophorone	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Isosaffrole	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
Methapyrilene	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
Methyl Methanesulfonate	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Naphthalene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Nitrobenzene	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
N-Nitrosodiethylamine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
N-Nitrosodimethylamine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
N-Nitroso-di-n-butylamine	ND(0.75) J [ND(0.75) J]	ND(0.84) J	ND(0.75) J	NA	NA
N-Nitroso-di-n-propylamine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
N-Nitrosodiphenylamine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
N-Nitrosomethylethylamine	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
N-Nitrosomorpholine	ND(0.37) [ND(0.37)]	ND(0.42)	0.12 J	NA	NA
N-Nitrosopiperidine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
N-Nitrosopyrrolidine	ND(0.75) J [ND(0.75) J]	ND(0.84) J	ND(0.75) J	NA	NA
o,o,o-Triethylphosphorothioate	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
o-Toluidine	ND(0.37) J [ND(0.37) J]	ND(0.42) J	ND(0.38) J	NA	NA
p-Dimethylaminoazobenzene	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
Pentachlorobenzene	ND(0.37) J [ND(0.37) J]	ND(0.42) J	ND(0.38) J	NA	NA
Pentachloroethane	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Pentachloronitrobenzene	ND(0.75) J [ND(0.75) J]	ND(0.84) J	ND(0.75) J	NA	NA
Pentachlorophenol	ND(1.9) [ND(1.9)]	ND(2.1)	ND(1.9)	NA	NA
Phenacetin	ND(0.75) [ND(0.75)]	ND(0.84)	ND(0.75)	NA	NA
Phenanthrene	ND(0.37) [0.087 J]	0.19 J	1.2	NA	NA
Phenol	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Pronamide	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Pyrene	ND(0.37) [ND(0.37)]	ND(0.42)	2.0	NA	NA
Pyridine	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Safrole	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
Thionazin	ND(0.37) [ND(0.37)]	ND(0.42)	ND(0.38)	NA	NA
<b>Organochlorine Pesticides</b>					
4,4'-DDD	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
4,4'-DDE	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
4,4'-DDT	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
Aldrin	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Alpha-BHC	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Alpha-Chlordane	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Beta-BHC	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Delta-BHC	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Dieldrin	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
Endosulfan I	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
Endosulfan II	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
Endosulfan Sulfate	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
Endrin	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
Endrin Aldehyde	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
Endrin Ketone	ND(0.016) [ND(0.016)]	ND(0.016)	NA	NA	NA
Gamma-BHC (Lindane)	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Gamma-Chlordane	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Heptachlor	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Heptachlor Epoxide	ND(0.0080) [ND(0.0080)]	ND(0.0080)	NA	NA	NA
Kepone	ND(0.37) [ND(0.37)]	ND(0.42)	NA	NA	NA
Methoxychlor	ND(0.080) [ND(0.080)]	ND(0.080)	NA	NA	NA
Technical Chlordane	ND(0.093) [ND(0.093)]	ND(0.10)	NA	NA	NA
Toxaphene	ND(0.18) [ND(0.18)]	ND(0.20)	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T12 0-1 05/01/03	RAA11-T12 1-3 05/01/03	RAA11-T12 3-6 05/01/03	RAA11-T12 5-5.5 05/01/03	RAA11-T12 6-8 05/01/03
<b>Organophosphate Pesticides</b>					
Dimethoate	ND(1.9) [ND(1.9)]	ND(2.1)	NA	NA	NA
Disulfoton	ND(0.75) [ND(0.75)]	ND(0.84)	NA	NA	NA
Ethyl Parathion	ND(0.75) [ND(0.75)]	ND(0.84)	NA	NA	NA
Famphur	ND(0.37) [ND(0.37)]	ND(0.42)	NA	NA	NA
Methyl Parathion	ND(0.75) [ND(0.75)]	ND(0.84)	NA	NA	NA
Phorate	ND(0.75) [ND(0.75)]	ND(0.84)	NA	NA	NA
Sulfotep	ND(0.75) [ND(0.75)]	ND(0.84)	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	ND(0.36) [ND(0.36)]	ND(0.40)	NA	NA	NA
2,4,5-TP	ND(0.36) [ND(0.36)]	ND(0.40)	NA	NA	NA
2,4-D	ND(0.80) [ND(0.80)]	ND(0.80)	NA	NA	NA
Dinoseb	ND(0.37) [ND(0.37)]	ND(0.42)	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	0.000013 Y [0.000011 Y]	0.000025 Y	0.000032 Y	NA	NA
TCDFs (total)	0.000086 [0.000076]	0.00016	0.00036 QJ	NA	NA
1,2,3,7,8-PeCDF	0.000076 J [0.000066 J]	0.000020 J	0.000077 QJ	NA	NA
2,3,4,7,8-PeCDF	0.000012 J [0.000012 J]	0.000019 J	ND(0.000015) XQJ	NA	NA
PeCDFs (total)	0.00012 [0.00011]	0.00016	0.00012 QJ	NA	NA
1,2,3,4,7,8-HxCDF	0.000013 J [0.000011 J]	0.000033	0.000020 J	NA	NA
1,2,3,6,7,8-HxCDF	0.000088 J [0.000077 J]	0.000020 J	0.000083 J	NA	NA
1,2,3,7,8,9-HxCDF	0.000031 J [ND(0.000026)]	0.000055 J	ND(0.0000091)	NA	NA
2,3,4,6,7,8-HxCDF	0.000069 J [0.000072 J]	0.000011 J	ND(0.000011) X	NA	NA
HxCDFs (total)	0.000088 [0.000082]	0.00015	0.00030	NA	NA
1,2,3,4,6,7,8-HpCDF	0.000026 [0.000016 J]	0.000030 J	0.00022	NA	NA
1,2,3,4,7,8,9-HpCDF	0.000050 J [ND(0.000041) X]	0.000069 J	0.000083 J	NA	NA
HpCDFs (total)	0.000057 J [0.000016 J]	0.000055	0.00055	NA	NA
OCDF	0.000038 J [ND(0.000021) X]	0.000026 J	0.000096	NA	NA
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.0000011) [ND(0.0000013)]	ND(0.0000016)	ND(0.0000029) J	NA	NA
TCDDs (total)	ND(0.0000031) [ND(0.0000040)]	ND(0.0000016)	0.000044 QJ	NA	NA
1,2,3,7,8-PeCDD	ND(0.0000026) X [ND(0.0000026)]	ND(0.0000040) X	ND(0.0000041) X	NA	NA
PeCDDs (total)	ND(0.0000035) [ND(0.0000026)]	0.0000060	0.000010 QJ	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.0000034) [ND(0.0000033)]	ND(0.0000035)	ND(0.0000029) X	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.0000046) X [ND(0.0000036) X]	ND(0.0000045) X	ND(0.000012) X	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000034) X [0.0000037 J]	0.0000051 J	ND(0.0000081) X	NA	NA
HxCDDs (total)	0.00004 J [0.000016 J]	0.000029	0.000076	NA	NA
1,2,3,4,6,7,8-HpCDD	0.00012 J [0.000053 J]	0.000074	0.00015	NA	NA
HpCDDs (total)	0.00046 J [0.00014 J]	0.00013	0.00029	NA	NA
OCDD	0.0012 J [0.00035 J]	0.00033	0.0018	NA	NA
Total TEQs (WHO TEFs)	0.000015 [0.000014]	0.000025	0.000020	NA	NA
<b>Inorganics</b>					
Antimony	ND(6.0) [ND(6.0)]	ND(6.0)	ND(6.0)	NA	NA
Arsenic	5.40 [5.10]	6.00	33.0	NA	NA
Barium	48.0 [47.0]	75.0	67.0	NA	NA
Beryllium	0.250 B [0.240 B]	0.260 B	0.270 B	NA	NA
Cadmium	0.370 B [0.240 B]	0.460 B	0.750	NA	NA
Chromium	8.20 [7.90]	12.0	11.0	NA	NA
Cobalt	7.60 [7.00]	7.00	9.40	NA	NA
Copper	32.0 [40.0]	100	120	NA	NA
Cyanide	0.0850 J [0.100 J]	0.210 J	0.330 J	NA	NA
Lead	65.0 [69.0]	130	150	NA	NA
Mercury	0.150 J [1.40 J]	0.170 J	0.0920J	NA	NA
Nickel	12.0 [13.0]	16.0	16.0	NA	NA
Selenium	ND(1.00) J [ND(1.00) J]	ND(1.00) J	ND(1.00) J	NA	NA
Silver	ND(1.00) [ND(1.00)]	ND(1.00)	0.360 B	NA	NA
Sulfide	20.0 J [24.0 J]	25.0 J	63.0 J	NA	NA
Thallium	ND(1.10) J [2.60 J]	ND(1.20) J	ND(1.10) J	NA	NA
Tin	ND(10.0) [ND(10.0)]	ND(17.0)	ND(10.0)	NA	NA
Vanadium	10.0 [8.70]	11.0	21.0	NA	NA
Zinc	96.0 [100]	150	690	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T12 6-10 05/01/03	RAA11-U3 0-1 04/29/03	RAA11-U5 0-1 04/29/03	RAA11-U7 0-1 04/30/03	RAA11-U7 6-10 04/30/03	RAA11-U7 8-10 04/30/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,1,1-Trichloroethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,1,2,2-Tetrachloroethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,1,2-Trichloroethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,1-Dichloroethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,1-Dichloroethene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,2,3-Trichloropropane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,2-Dibromo-3-chloropropane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,2-Dibromoethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,2-Dichloroethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,2-Dichloropropane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
1,4-Dioxane	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	NA	ND(0.11) J
2-Butanone	NA	ND(0.011) J	ND(0.010) J	ND(0.011) J	NA	ND(0.011) J
2-Chloro-1,3-butadiene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
2-Chloroethylvinylether	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
2-Hexanone	NA	ND(0.011)	ND(0.010)	ND(0.011)	NA	ND(0.011)
3-Chloropropene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
4-Methyl-2-pentanone	NA	ND(0.011) J	ND(0.010) J	ND(0.011) J	NA	ND(0.011) J
Acetone	NA	ND(0.021)	ND(0.021)	ND(0.021) J	NA	ND(0.021) J
Acetonitrile	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	NA	ND(0.11) J
Acrolein	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	NA	ND(0.11) J
Acrylonitrile	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Benzene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Bromodichloromethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Bromoform	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Bromomethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Carbon Disulfide	NA	ND(0.0053) J	ND(0.0052) J	ND(0.0053)	NA	ND(0.0054)
Carbon Tetrachloride	NA	ND(0.0053) J	ND(0.0052) J	ND(0.0053)	NA	ND(0.0054)
Chlorobenzene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Chloroethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Chloroform	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Chloromethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
cis-1,3-Dichloropropene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Dibromochloromethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Dibromomethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Dichlorodifluoromethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Ethyl Methacrylate	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Ethylbenzene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Iodomethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Isobutanol	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	NA	ND(0.11) J
Methacrylonitrile	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Methyl Methacrylate	NA	ND(0.0053)	ND(0.0052)	ND(0.0053) J	NA	ND(0.0054) J
Methylene Chloride	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Propionitrile	NA	ND(0.011) J	ND(0.010) J	ND(0.011) J	NA	ND(0.011) J
Styrene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Tetrachloroethene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Toluene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
trans-1,2-Dichloroethene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
trans-1,3-Dichloropropene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
trans-1,4-Dichloro-2-butene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Trichloroethene	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Trichlorofluoromethane	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Vinyl Acetate	NA	ND(0.0053) J	ND(0.0052) J	ND(0.0053)	NA	ND(0.0054)
Vinyl Chloride	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
Xylenes (total)	NA	ND(0.0053)	ND(0.0052)	ND(0.0053)	NA	ND(0.0054)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
1,2-Dichlorobenzene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
1,2-Diphenylhydrazine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
1,3,5-Trinitrobenzene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
1,3-Dichlorobenzene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
1,3-Dinitrobenzene	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
1,4-Dichlorobenzene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
1,4-Naphthoquinone	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA

**TABLE B-1  
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T12 6-10 05/01/03	RAA11-U3 0-1 04/29/03	RAA11-U5 0-1 04/29/03	RAA11-U7 0-1 04/30/03	RAA11-U7 6-10 04/30/03	RAA11-U7 8-10 04/30/03
<b>Semivolatle Organics (continued)</b>						
1-Naphthylamine	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
2,3,4,6-Tetrachlorophenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2,4,5-Trichlorophenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2,4,6-Trichlorophenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2,4-Dichlorophenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2,4-Dimethylphenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2,4-Dinitrophenol	ND(1.9) J	ND(1.8) J	ND(1.8) J	ND(1.8) J	ND(1.8) J	NA
2,4-Dinitrotoluene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2,6-Dichlorophenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2,6-Dinitrotoluene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2-Acetylaminoftuorene	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
2-Chloronaphthalene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2-Chlorophenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2-Methylnaphthalene	0.20 J	ND(0.36)	0.48	ND(0.35)	ND(0.35)	NA
2-Methylphenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
2-Naphthylamine	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
2-Nitroaniline	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	NA
2-Nitrophenol	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
2-Picoline	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
3&4-Methylphenol	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
3,3'-Dichlorobenzidine	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
3,3'-Dimethylbenzidine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
3-Methylcholanthrene	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
3-Nitroaniline	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	NA
4,6-Dinitro-2-methylphenol	ND(0.38) J	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
4-Aminobiphenyl	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
4-Bromophenyl-phenylether	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
4-Chloro-3-Methylphenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
4-Chloroaniline	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
4-Chlorobenzilate	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
4-Chlorophenyl-phenylether	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
4-Nitroaniline	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	NA
4-Nitrophenol	ND(1.9) J	ND(1.8) J	ND(1.8) J	ND(1.8) J	ND(1.8) J	NA
4-Nitroquinoline-1-oxide	ND(0.76) J	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
4-Phenylenediamine	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
5-Nitro-o-toluidine	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
7,12-Dimethylbenz(a)anthracene	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
a,a'-Dimethylphenethylamine	ND(0.76) J	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
Acenaphthene	0.60	0.16 J	ND(0.35)	ND(0.35)	ND(0.35)	NA
Acenaphthylene	1.6	0.27 J	2.1	ND(0.35)	ND(0.35)	NA
Acetophenone	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Aniline	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Anthracene	2.4	0.31 J	4.8	ND(0.35)	ND(0.35)	NA
Aramite	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
Benzidine	ND(0.76) J	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
Benzo(a)anthracene	5.6	0.68	6.6	ND(0.35)	ND(0.35)	NA
Benzo(a)pyrene	5.7	0.88	6.6	ND(0.35)	ND(0.35)	NA
Benzo(b)fluoranthene	7.0	1.0	7.7	ND(0.35)	ND(0.35)	NA
Benzo(g,h,i)perylene	3.5	0.62	3.1	ND(0.35)	ND(0.35)	NA
Benzo(k)fluoranthene	2.8	0.42	3.2	ND(0.35)	ND(0.35)	NA
Benzyl Alcohol	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
bis(2-Chloroethoxy)methane	ND(0.38)	ND(0.36) J	ND(0.35) J	ND(0.35)	ND(0.35)	NA
bis(2-Chloroethyl)ether	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
bis(2-Chloroisopropyl)ether	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(0.35)	ND(0.34)	ND(0.35)	ND(0.35)	NA
Butylbenzylphthalate	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Chrysene	5.9	0.60	6.6	ND(0.35)	ND(0.35)	NA
Diallate	ND(0.76) J	ND(0.71)	ND(0.70)	ND(0.71) J	ND(0.70) J	NA
Dibenzo(a,h)anthracene	0.93	0.077 J	1.0	ND(0.35)	ND(0.35)	NA
Dibenzofuran	0.58	0.096 J	1.3	ND(0.35)	ND(0.35)	NA
Diethylphthalate	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Dimethylphthalate	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Di-n-Butylphthalate	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Di-n-Octylphthalate	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Diphenylamine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T12 6-10 05/01/03	RAA11-U3 0-1 04/29/03	RAA11-U5 0-1 04/29/03	RAA11-U7 0-1 04/30/03	RAA11-U7 6-10 04/30/03	RAA11-U7 8-10 04/30/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Fluoranthene	14	1.4	16	ND(0.35)	ND(0.35)	NA
Fluorene	1.9	0.15 J	3.7	ND(0.35)	ND(0.35)	NA
Hexachlorobenzene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Hexachlorobutadiene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Hexachlorocyclopentadiene	ND(0.38) J	ND(0.36) J	ND(0.35) J	ND(0.35) J	ND(0.35) J	NA
Hexachloroethane	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Hexachlorophene	ND(0.76) J	ND(0.71) J	ND(0.70) J	ND(0.71) J	ND(0.70) J	NA
Hexachloropropene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Indeno(1,2,3-cd)pyrene	2.9	0.50	2.9	ND(0.35)	ND(0.35)	NA
Isodrin	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Isophorone	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Isosafrole	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
Methapyrilene	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
Methyl Methanesulfonate	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Naphthalene	0.31 J	0.074 J	0.19 J	ND(0.35)	ND(0.35)	NA
Nitrobenzene	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
N-Nitrosodiethylamine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
N-Nitrosodimethylamine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
N-Nitroso-di-n-butylamine	ND(0.76) J	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
N-Nitroso-di-n-propylamine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
N-Nitrosodiphenylamine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
N-Nitrosomethylethylamine	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
N-Nitrosomorpholine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
N-Nitrosopiperidine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
N-Nitrosopyrrolidine	ND(0.76) J	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
o,o,o-Triethylphosphorothioate	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
o-Toluidine	ND(0.38) J	ND(0.36)	ND(0.35)	ND(0.35) J	ND(0.35) J	NA
p-Dimethylaminoazobenzene	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
Pentachlorobenzene	ND(0.38) J	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Pentachloroethane	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Pentachloronitrobenzene	ND(0.76) J	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
Pentachlorophenol	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	NA
Phenacetin	ND(0.76)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	NA
Phenanthrene	10	0.73	18	ND(0.35)	ND(0.35)	NA
Phenol	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Pronamide	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Pyrene	12	1.4	13	ND(0.35)	ND(0.35)	NA
Pyridine	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Safrole	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
Thionazin	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	NA
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-T12 6-10 05/01/03	RAA11-U3 0-1 04/29/03	RAA11-U5 0-1 04/29/03	RAA11-U7 0-1 04/30/03	RAA11-U7 6-10 04/30/03	RAA11-U7 8-10 04/30/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000010 Y	0.0000053 QJ	ND(0.000015)	ND(0.000015) X	ND(0.000013)	NA
TCDFs (total)	0.000067 QJ	0.000050 I	0.000012	ND(0.000018)	ND(0.000013)	NA
1,2,3,7,8-PeCDF	0.000037 QJ	ND(0.000032) X	ND(0.000026)	ND(0.000025)	ND(0.000025)	NA
2,3,4,7,8-PeCDF	0.000015 QJ	0.000041 J	0.000016 J	ND(0.000019)	ND(0.000025)	NA
PeCDFs (total)	0.00011 QJ	0.000042 QJ	0.0000099 QJ	ND(0.000086)	ND(0.000025)	NA
1,2,3,4,7,8-HxCDF	0.000060 J	0.000028 J	ND(0.000026)	ND(0.000011) X	ND(0.000025)	NA
1,2,3,6,7,8-HxCDF	ND(0.000048) X	0.000021 J	ND(0.000026)	ND(0.0000094) X	ND(0.000025)	NA
1,2,3,7,8,9-HxCDF	ND(0.000014) X	ND(0.000023)	ND(0.000026)	ND(0.000025)	ND(0.000025)	NA
2,3,4,6,7,8-HxCDF	0.000092 J	0.000027 J	ND(0.000026)	ND(0.000025)	ND(0.000025)	NA
HxCDFs (total)	0.000096	0.000034	0.000072	ND(0.000047)	ND(0.000025)	NA
1,2,3,4,6,7,8-HpCDF	0.000016	ND(0.000050)	ND(0.000030)	0.000023 J	ND(0.000025)	NA
1,2,3,4,7,8,9-HpCDF	0.000020 J	ND(0.000029)	ND(0.000030)	ND(0.000025)	ND(0.000025)	NA
HpCDFs (total)	0.000037	ND(0.000090)	ND(0.000030)	0.000023	ND(0.000025)	NA
OCDF	0.000018 J	ND(0.000068) X	ND(0.000076)	ND(0.000057)	ND(0.000050)	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000011)	ND(0.000012)	ND(0.000014)	ND(0.000019)	ND(0.000013)	NA
TCDDs (total)	ND(0.000011)	ND(0.000032)	ND(0.000032)	ND(0.000036)	ND(0.000034)	NA
1,2,3,7,8-PeCDD	ND(0.000014) J	ND(0.000023)	ND(0.000026)	ND(0.000025)	ND(0.000025)	NA
PeCDDs (total)	ND(0.000014) QJ	ND(0.000023)	ND(0.000045)	ND(0.000040)	ND(0.000040)	NA
1,2,3,4,7,8-HxCDD	ND(0.000019)	ND(0.000023)	ND(0.000026)	ND(0.000025)	ND(0.000025)	NA
1,2,3,6,7,8-HxCDD	0.000024 J	ND(0.000023)	ND(0.000026)	ND(0.000025)	ND(0.000025)	NA
1,2,3,7,8,9-HxCDD	0.000022 J	ND(0.000023)	ND(0.000026)	ND(0.000025)	ND(0.000025)	NA
HxCDDs (total)	0.000014	ND(0.000029)	ND(0.000026)	ND(0.000025)	ND(0.000048)	NA
1,2,3,4,6,7,8-HpCDD	0.000043	0.000065 J	0.000010 J	0.000037 J	ND(0.000027)	NA
HpCDDs (total)	0.000070	0.000065	0.000025	0.000037	ND(0.000027)	NA
OCDD	0.00019	ND(0.000032)	0.00015	ND(0.000018)	ND(0.000072)	NA
Total TEQs (WHO TEFs)	0.000013	0.000057	0.000040	0.000036	0.000036	NA
<b>Inorganics</b>						
Antimony	ND(6.0)	ND(6.00)	ND(6.00)	ND(6.00)	ND(10.0)	NA
Arsenic	5.40	3.40	3.80	3.10	10.0	NA
Barium	42.0	15.0	18.0	18.0 B	24.0	NA
Beryllium	0.210 B	0.130 B	0.190	0.170 B	0.310 B	NA
Cadmium	0.380 B	0.190	0.200	0.230 B	0.460 B	NA
Chromium	9.10	5.20	5.50	4.40	11.0	NA
Cobalt	7.00	5.80	8.00	4.60 B	14.0	NA
Copper	65.0	16.0	13.0	11.0	30.0	NA
Cyanide	0.270 J	ND(0.210)	ND(0.210)	0.0200 B	ND(0.100)	NA
Lead	100	11.0	12.0	14.0	12.0	NA
Mercury	0.180 J	0.0260 B	0.110	0.00780 B	0.0190 B	NA
Nickel	12.0	10.0	11.0	8.50	25.0	NA
Selenium	ND(1.00) J	ND(1.00)	ND(1.00)	0.780 J	1.10 J	NA
Silver	0.510 B	ND(1.00)	ND(1.00)	ND(1.00)	ND(6.00)	NA
Sulfide	72.0 J	17.0	21.0	20.0 J	19.0 J	NA
Thallium	ND(1.10) J	ND(1.10) J	ND(1.00) J	ND(1.10) J	ND(1.00) J	NA
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	NA
Vanadium	7.40	5.00	7.60	4.40 B	8.50	NA
Zinc	200	29.0	35.0	31.0	60.0	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-U9 0-1 04/30/03	RAA11-U11 0-1 05/01/03	RAA11-U11 1-3 05/01/03	RAA11-U11 3-4 05/01/03	RAA11-U11 3-6 05/01/03	RAA11-U11 6-8 05/01/03
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,1,1-Trichloroethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,1,2,2-Tetrachloroethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,1,2-Trichloroethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,1-Dichloroethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,1-Dichloroethene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,2,3-Trichloropropane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,2-Dibromo-3-chloropropane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,2-Dibromoethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,2-Dichloroethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,2-Dichloropropane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
1,4-Dioxane	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA	ND(0.11) J
2-Butanone	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.011)	NA	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
2-Chloroethylvinylether	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
2-Hexanone	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.011)	NA	ND(0.011)
3-Chloropropene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
4-Methyl-2-pentanone	ND(0.011)	ND(0.011) J	ND(0.011) J	ND(0.011) J	NA	ND(0.011) J
Acetone	ND(0.021) J	ND(0.022) J	ND(0.022) J	ND(0.022) J	NA	ND(0.023) J
Acetonitrile	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA	ND(0.11) J
Acrolein	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA	ND(0.11) J
Acrylonitrile	ND(0.0054)	ND(0.0055) J	ND(0.0056) J	ND(0.0056) J	NA	ND(0.0057) J
Benzene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Bromodichloromethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Bromoform	ND(0.0054)	ND(0.0055) J	ND(0.0056) J	ND(0.0056) J	NA	ND(0.0057) J
Bromomethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Carbon Disulfide	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Carbon Tetrachloride	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Chlorobenzene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Chloroethane	ND(0.0054)	ND(0.0055) J	ND(0.0056) J	ND(0.0056) J	NA	ND(0.0057) J
Chloroform	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Chloromethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
cis-1,3-Dichloropropene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Dibromochloromethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Dibromomethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Dichlorodifluoromethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Ethyl Methacrylate	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Ethylbenzene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Iodomethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Isobutanol	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	NA	ND(0.11) J
Methacrylonitrile	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Methyl Methacrylate	ND(0.0054) J	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Methylene Chloride	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Propionitrile	ND(0.011) J	ND(0.011) J	ND(0.011) J	ND(0.011) J	NA	ND(0.011) J
Styrene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Tetrachloroethene	0.0059	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Toluene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
trans-1,2-Dichloroethene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
trans-1,3-Dichloropropene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
trans-1,4-Dichloro-2-butene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Trichloroethene	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Trichlorofluoromethane	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Vinyl Acetate	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Vinyl Chloride	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
Xylenes (total)	ND(0.0054)	ND(0.0055)	ND(0.0056)	ND(0.0056)	NA	ND(0.0057)
<b>Semivolatile Organics</b>						
1,2,4,5-Tetrachlorobenzene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
1,2,4-Trichlorobenzene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
1,2-Dichlorobenzene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
1,2-Diphenylhydrazine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
1,3,5-Trinitrobenzene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
1,3-Dichlorobenzene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
1,3-Dinitrobenzene	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
1,4-Dichlorobenzene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
1,4-Naphthoquinone	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-U9 0-1 04/30/03	RAA11-U11 0-1 05/01/03	RAA11-U11 1-3 05/01/03	RAA11-U11 3-4 05/01/03	RAA11-U11 3-6 05/01/03	RAA11-U11 6-8 05/01/03
<b>Semivolatile Organics (continued)</b>						
1-Naphthylamine	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
2,3,4,6-Tetrachlorophenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2,4,5-Trichlorophenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2,4,6-Trichlorophenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2,4-Dichlorophenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2,4-Dimethylphenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2,4-Dinitrophenol	ND(1.8) J	ND(1.9) J	ND(1.9) J	NA	ND(1.9) J	NA
2,4-Dinitrotoluene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2,6-Dichlorophenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2,6-Dinitrotoluene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2-Acetylaminofluorene	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
2-Chloronaphthalene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2-Chlorophenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2-Methylnaphthalene	ND(0.36)	ND(0.36)	ND(0.37)	NA	0.22 J	NA
2-Methylphenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
2-Naphthylamine	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
2-Nitroaniline	ND(1.8)	ND(1.9)	ND(1.9)	NA	ND(1.9)	NA
2-Nitrophenol	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
2-Picoline	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
3&4-Methylphenol	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
3,3'-Dichlorobenzidine	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
3,3'-Dimethylbenzidine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
3-Methylcholanthrene	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
3-Nitroaniline	ND(1.8)	ND(1.9)	ND(1.9)	NA	ND(1.9)	NA
4,6-Dinitro-2-methylphenol	ND(0.36)	ND(0.36) J	ND(0.37) J	NA	ND(0.37) J	NA
4-Aminobiphenyl	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
4-Bromophenyl-phenylether	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
4-Chloro-3-Methylphenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
4-Chloroaniline	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
4-Chlorobenzilate	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
4-Chlorophenyl-phenylether	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
4-Nitroaniline	ND(1.8)	ND(1.9)	ND(1.9)	NA	ND(1.9)	NA
4-Nitrophenol	ND(1.8) J	ND(1.9) J	ND(1.9) J	NA	ND(1.9) J	NA
4-Nitroquinoline-1-oxide	ND(0.72)	ND(0.73) J	ND(0.75) J	NA	ND(0.75) J	NA
4-Phenylenediamine	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
5-Nitro-o-toluidine	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
7,12-Dimethylbenz(a)anthracene	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
a,a'-Dimethylphenethylamine	ND(0.72)	ND(0.73) J	ND(0.75) J	NA	ND(0.75) J	NA
Acenaphthene	ND(0.36)	0.11 J	0.11 J	NA	0.63	NA
Acenaphthylene	ND(0.36)	0.24 J	0.13 J	NA	0.26 J	NA
Acetophenone	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Aniline	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Anthracene	ND(0.36)	0.32 J	0.24 J	NA	1.8	NA
Aramite	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
Benzdine	ND(0.72)	ND(0.73) J	ND(0.75) J	NA	ND(0.75) J	NA
Benzo(a)anthracene	ND(0.36)	0.98	0.59	NA	3.4	NA
Benzo(a)pyrene	ND(0.36)	0.95	0.66	NA	3.1	NA
Benzo(b)fluoranthene	ND(0.36)	1.3	0.80	NA	4.0	NA
Benzo(g,h,i)perylene	ND(0.36)	0.56	0.46	NA	1.7	NA
Benzo(k)fluoranthene	ND(0.36)	0.46	0.34 J	NA	1.5	NA
Benzyl Alcohol	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
bis(2-Chloroethoxy)methane	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
bis(2-Chloroethyl)ether	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
bis(2-Chloroisopropyl)ether	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(0.36)	0.12 J	NA	ND(0.37)	NA
Butylbenzylphthalate	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Chrysene	ND(0.36)	0.98	0.55	NA	3.1	NA
Diallate	ND(0.72) J	ND(0.73) J	ND(0.75) J	NA	ND(0.75) J	NA
Dibenzo(a,h)anthracene	ND(0.36)	ND(0.36)	ND(0.37)	NA	0.52	NA
Dibenzofuran	ND(0.36)	ND(0.36)	ND(0.37)	NA	0.51	NA
Diethylphthalate	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Dimethylphthalate	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Di-n-Butylphthalate	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Di-n-Octylphthalate	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Diphenylamine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-U9 0-1 04/30/03	RAA11-U11 0-1 05/01/03	RAA11-U11 1-3 05/01/03	RAA11-U11 3-4 05/01/03	RAA11-U11 3-6 05/01/03	RAA11-U11 6-8 05/01/03
<b>Semivolatile Organics (continued)</b>						
Ethyl Methanesulfonate	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Fluoranthene	ND(0.36)	2.2	1.2	NA	7.2	NA
Fluorene	ND(0.36)	0.12 J	ND(0.37)	NA	0.87	NA
Hexachlorobenzene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Hexachlorobutadiene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Hexachlorocyclopentadiene	ND(0.36) J	ND(0.36) J	ND(0.37) J	NA	ND(0.37) J	NA
Hexachloroethane	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Hexachlorophene	ND(0.72) J	ND(0.73) J	ND(0.75) J	NA	ND(0.75) J	NA
Hexachloropropene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Indeno(1,2,3-cd)pyrene	ND(0.36)	0.49	0.33 J	NA	1.6	NA
Isodrin	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Isophorone	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Isosafrole	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
Methapyrilene	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
Methyl Methanesulfonate	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Naphthalene	ND(0.36)	ND(0.36)	0.10 J	NA	0.54	NA
Nitrobenzene	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
N-Nitrosodiethylamine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
N-Nitrosodimethylamine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
N-Nitroso-di-n-butylamine	ND(0.72)	ND(0.73) J	ND(0.75) J	NA	ND(0.75) J	NA
N-Nitroso-di-n-propylamine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
N-Nitrosodiphenylamine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
N-Nitrosomethylethylamine	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
N-Nitrosomorpholine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
N-Nitrosopiperidine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
N-Nitrosopyrrolidine	ND(0.72)	ND(0.73) J	ND(0.75) J	NA	ND(0.75) J	NA
o,o,o-Triethylphosphorothioate	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
o-Toluidine	ND(0.36) J	ND(0.36) J	ND(0.37) J	NA	ND(0.37) J	NA
p-Dimethylaminoazobenzene	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
Pentachlorobenzene	ND(0.36)	ND(0.36) J	ND(0.37) J	NA	ND(0.37) J	NA
Pentachloroethane	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Pentachloronitrobenzene	ND(0.72)	ND(0.73) J	ND(0.75) J	NA	ND(0.75) J	NA
Pentachlorophenol	ND(1.8)	ND(1.9)	ND(1.9)	NA	ND(1.9)	NA
Phenacetin	ND(0.72)	ND(0.73)	ND(0.75)	NA	ND(0.75)	NA
Phenanthrene	ND(0.36)	1.3	0.84	NA	6.8	NA
Phenol	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Pronamide	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Pyrene	0.089 J	1.9	1.1	NA	6.3	NA
Pyridine	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Safrole	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
Thionazin	ND(0.36)	ND(0.36)	ND(0.37)	NA	ND(0.37)	NA
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	ND(0.016)	ND(0.016)	NA	NA	NA
4,4'-DDE	NA	ND(0.016)	ND(0.016)	NA	NA	NA
4,4'-DDT	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Aldrin	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Alpha-BHC	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Alpha-Chlordane	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Beta-BHC	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Delta-BHC	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Dieldrin	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endosulfan I	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endosulfan II	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endosulfan Sulfate	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endrin	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endrin Aldehyde	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Endrin Ketone	NA	ND(0.016)	ND(0.016)	NA	NA	NA
Gamma-BHC (Lindane)	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Gamma-Chlordane	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Heptachlor	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Heptachlor Epoxide	NA	ND(0.0080)	ND(0.0080)	NA	NA	NA
Kepone	NA	ND(0.36)	ND(0.37)	NA	NA	NA
Methoxychlor	NA	ND(0.080)	ND(0.080)	NA	NA	NA
Technical Chlordane	NA	ND(0.091)	ND(0.094)	NA	NA	NA
Toxaphene	NA	ND(0.18)	ND(0.18)	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-U9 0-1 04/30/03	RAA11-U11 0-1 05/01/03	RAA11-U11 1-3 05/01/03	RAA11-U11 3-4 05/01/03	RAA11-U11 3-6 05/01/03	RAA11-U11 6-8 05/01/03
<b>Organophosphate Pesticides</b>						
Dimethoate	NA	ND(1.9)	ND(1.9)	NA	NA	NA
Disulfoton	NA	ND(0.73)	ND(0.75)	NA	NA	NA
Ethyl Parathion	NA	ND(0.73)	ND(0.75)	NA	NA	NA
Famphur	NA	ND(0.36)	ND(0.37)	NA	NA	NA
Methyl Parathion	NA	ND(0.73)	ND(0.75)	NA	NA	NA
Phorate	NA	ND(0.73)	ND(0.75)	NA	NA	NA
Sulfotep	NA	ND(0.73)	ND(0.75)	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	ND(0.35)	ND(0.36)	NA	NA	NA
2,4,5-TP	NA	ND(0.35)	ND(0.36)	NA	NA	NA
2,4-D	NA	ND(0.80)	ND(0.80)	NA	NA	NA
Dinoseb	NA	ND(0.36)	ND(0.37)	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000035 J	0.000038 Y	0.000075 J	NA	0.000014 J	NA
TCDFs (total)	0.000015	0.00039 QJ	0.000064	NA	0.000034 QJ	NA
1,2,3,7,8-PeCDF	ND(0.000015) X	0.000011 QJ	0.000038 J	NA	0.000012 QJ	NA
2,3,4,7,8-PeCDF	0.000039 J	0.000058 QJ	0.000012 J	NA	ND(0.000020) QJ	NA
PeCDFs (total)	0.000040	0.00056 QJ	0.00014	NA	ND(0.000032) QJ	NA
1,2,3,4,7,8-HxCDF	ND(0.000028) X	0.000026	0.000051 J	NA	ND(0.000015)	NA
1,2,3,6,7,8-HxCDF	ND(0.000024)	0.000025 J	0.000053 J	NA	0.000015 J	NA
1,2,3,7,8,9-HxCDF	ND(0.000029)	0.000080 J	ND(0.000032)	NA	0.000013 J	NA
2,3,4,6,7,8-HxCDF	ND(0.000024)	0.000064	0.000010 J	NA	ND(0.000013)	NA
HxCDFs (total)	0.000030	0.00087	0.00014	NA	0.000055	NA
1,2,3,4,6,7,8-HpCDF	0.000020 J	0.000080	0.000014 J	NA	0.000023 J	NA
1,2,3,4,7,8,9-HpCDF	ND(0.000032) X	0.000010 J	ND(0.000030)	NA	ND(0.000014) X	NA
HpCDFs (total)	0.000087	0.000019	0.000032	NA	0.000023	NA
OCDF	0.00014	0.000035 J	0.000012 J	NA	ND(0.000022) X	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.000014)	ND(0.000023)	ND(0.000024)	NA	ND(0.000015)	NA
TCDDs (total)	0.000079	ND(0.000023) QJ	ND(0.000025)	NA	ND(0.000029) QJ	NA
1,2,3,7,8-PeCDD	ND(0.000024)	0.000026 QJ	ND(0.000019)	NA	ND(0.000015) X	NA
PeCDDs (total)	0.000026	0.000091 QJ	ND(0.000037)	NA	ND(0.000026) QJ	NA
1,2,3,4,7,8-HxCDD	ND(0.000020) X	0.000014 J	ND(0.000025)	NA	0.000012 J	NA
1,2,3,6,7,8-HxCDD	0.000046 J	0.000027 J	ND(0.000022)	NA	0.000012 J	NA
1,2,3,7,8,9-HxCDD	ND(0.000027)	ND(0.000027) X	ND(0.000024)	NA	ND(0.000021) X	NA
HxCDDs (total)	0.000013	0.000020	ND(0.000024)	NA	0.000055	NA
1,2,3,4,6,7,8-HpCDD	0.00029	0.000014 J	ND(0.000051) X	NA	0.000042 J	NA
HpCDDs (total)	0.00055	0.000028	0.000048	NA	0.000081	NA
OCDD	0.0048	0.000061	0.000035 J	NA	0.000011 J	NA
Total TEQs (WHO TEFs)	0.000091	0.000051	0.000012	NA	0.000030	NA
<b>Inorganics</b>						
Antimony	0.980 B	ND(6.0)	ND(6.0)	NA	ND(6.0)	NA
Arsenic	4.30	4.60	5.50	NA	6.00	NA
Barium	31.0	51.0	54.0	NA	23.0	NA
Beryllium	0.160 B	0.190 B	0.280 B	NA	0.300 B	NA
Cadmium	0.400 B	0.140 B	0.170 B	NA	0.120 B	NA
Chromium	6.70	7.00	7.40	NA	6.00	NA
Cobalt	10.0	8.10	8.20	NA	7.70	NA
Copper	20.0	43.0	24.0	NA	12.0	NA
Cyanide	0.0330 B	0.190 J	ND(0.560) J	NA	ND(0.560) J	NA
Lead	30.0	140	71.0	NA	31.0	NA
Mercury	0.0380 B	0.360 J	0.150 J	NA	0.270 J	NA
Nickel	12.0	11.0	13.0	NA	14.0	NA
Selenium	0.790 J	ND(1.00) J	ND(1.00) J	NA	ND(1.00) J	NA
Silver	0.320 B	ND(1.00)	ND(1.00)	NA	ND(1.00)	NA
Sulfide	31.0 J	32.0 J	47.0 J	NA	45.0 J	NA
Thallium	ND(1.10) J	ND(1.10) J	ND(1.10) J	NA	ND(1.10) J	NA
Tin	ND(10.0)	ND(10.0)	ND(10.0)	NA	ND(10.0)	NA
Vanadium	6.20	7.70	8.00	NA	8.20	NA
Zinc	60.0	96.0	73.0	NA	85.0	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-U11 6-10 05/01/03	RAA11-W5 0-1 04/30/03	RAA11-W7 0-1 04/30/03	RAA11-W7 1-3 04/30/03	RAA11-W7 3-6 04/30/03
<b>Volatle Organics</b>					
1,1,1,2-Tetrachloroethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,1,1-Trichloroethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,1,2,2-Tetrachloroethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,1,2-Trichloroethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,1-Dichloroethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,1-Dichloroethene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,2,3-Trichloropropane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,2-Dibromo-3-chloropropane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,2-Dibromoethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,2-Dichloroethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,2-Dichloropropane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
1,4-Dioxane	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	NA
2-Butanone	NA	ND(0.011)	ND(0.010) J	ND(0.011) J	NA
2-Chloro-1,3-butadiene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
2-Chloroethylvinylether	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
2-Hexanone	NA	ND(0.011)	ND(0.010)	ND(0.011)	NA
3-Chloropropene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
4-Methyl-2-pentanone	NA	ND(0.011)	ND(0.010)	ND(0.011)	NA
Acetone	NA	ND(0.021) J	ND(0.021)	ND(0.022)	NA
Acetonitrile	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	NA
Acrolein	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	NA
Acrylonitrile	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Benzene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Bromodichloromethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Bromoform	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Bromomethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Carbon Disulfide	NA	ND(0.0053)	ND(0.0053) J	ND(0.0056) J	NA
Carbon Tetrachloride	NA	ND(0.0053)	ND(0.0053) J	ND(0.0056) J	NA
Chlorobenzene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Chloroethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Chloroform	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Chloromethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
cis-1,3-Dichloropropene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Dibromochloromethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Dibromomethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Dichlorodifluoromethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Ethyl Methacrylate	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Ethylbenzene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Iodomethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Isobutanol	NA	ND(0.11) J	ND(0.10) J	ND(0.11) J	NA
Methacrylonitrile	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Methyl Methacrylate	NA	ND(0.0053) J	ND(0.0053)	ND(0.0056)	NA
Methylene Chloride	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Propionitrile	NA	ND(0.011) J	ND(0.010) J	ND(0.011) J	NA
Styrene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Tetrachloroethene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Toluene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
trans-1,2-Dichloroethene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
trans-1,3-Dichloropropene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
trans-1,4-Dichloro-2-butene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Trichloroethene	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Trichlorofluoromethane	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Vinyl Acetate	NA	ND(0.0053)	ND(0.0053) J	ND(0.0056) J	NA
Vinyl Chloride	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
Xylenes (total)	NA	ND(0.0053)	ND(0.0053)	ND(0.0056)	NA
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
1,2-Dichlorobenzene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
1,2-Diphenylhydrazine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
1,3,5-Trinitrobenzene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
1,3-Dichlorobenzene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
1,3-Dinitrobenzene	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
1,4-Dichlorobenzene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
1,4-Naphthoquinone	ND(0.77)	ND(0.71) J	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-U11 6-10 05/01/03	RAA11-W5 0-1 04/30/03	RAA11-W7 0-1 04/30/03	RAA11-W7 1-3 04/30/03	RAA11-W7 3-6 04/30/03
<b>Semivolatle Organics (continued)</b>					
1-Naphthylamine	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
2,3,4,6-Tetrachlorophenol	ND(0.38)	ND(0.35) J	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2,4,5-Trichlorophenol	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2,4,6-Trichlorophenol	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2,4-Dichlorophenol	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2,4-Dimethylphenol	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2,4-Dinitrophenol	ND(2.0) J	ND(1.8) J	ND(1.8) J	ND(1.9) J	ND(1.8) J [ND(1.8) J]
2,4-Dinitrotoluene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2,6-Dichlorophenol	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2,6-Dinitrotoluene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2-Acetylaminofluorene	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
2-Chloronaphthalene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2-Chlorophenol	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2-Methylnaphthalene	1.2	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2-Methylphenol	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
2-Naphthylamine	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
2-Nitroaniline	ND(2.0)	ND(1.8)	ND(1.8)	ND(1.9)	ND(1.8) [ND(1.8)]
2-Nitrophenol	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
2-Picoline	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
3&4-Methylphenol	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
3,3'-Dichlorobenzidine	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
3,3'-Dimethylbenzidine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
3-Methylcholanthrene	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
3-Nitroaniline	ND(2.0)	ND(1.8)	ND(1.8)	ND(1.9)	ND(1.8) [ND(1.8)]
4,6-Dinitro-2-methylphenol	ND(0.38) J	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
4-Aminobiphenyl	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
4-Bromophenyl-phenylether	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
4-Chloro-3-Methylphenol	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
4-Chloroaniline	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
4-Chlorobenzilate	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
4-Chlorophenyl-phenylether	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
4-Nitroaniline	ND(2.0)	ND(1.8)	ND(1.8)	ND(1.9)	ND(1.8) [ND(1.8)]
4-Nitrophenol	ND(2.0) J	ND(1.8) J	ND(1.8) J	ND(1.9) J	ND(1.8) J [ND(1.8) J]
4-Nitroquinoline-1-oxide	ND(0.77) J	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
4-Phenylenediamine	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
5-Nitro-o-toluidine	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
7,12-Dimethylbenz(a)anthracene	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
a,a'-Dimethylphenethylamine	ND(0.77) J	ND(0.71) J	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
Acenaphthene	2.0	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Acenaphthylene	0.33 J	ND(0.35)	ND(0.35)	0.090 J	ND(0.36) [ND(0.36)]
Acetophenone	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Aniline	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Anthracene	4.6	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Aramite	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
Benzidine	ND(0.77) J	ND(0.71) J	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
Benzo(a)anthracene	4.1	ND(0.35)	ND(0.35)	0.11 J	ND(0.36) [ND(0.36)]
Benzo(a)pyrene	2.0	ND(0.35)	ND(0.35)	0.12 J	ND(0.36) [ND(0.36)]
Benzo(b)fluoranthene	3.0	ND(0.35)	ND(0.35)	0.23 J	ND(0.36) [ND(0.36)]
Benzo(g,h,i)perylene	0.64	ND(0.35)	ND(0.35)	0.17 J	ND(0.36) [ND(0.36)]
Benzo(k)fluoranthene	1.1	ND(0.35)	ND(0.35)	0.076 J	ND(0.36) [ND(0.36)]
Benzyl Alcohol	ND(0.77)	ND(0.71) J	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
bis(2-Chloroethoxy)methane	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
bis(2-Chloroethyl)ether	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
bis(2-Chloroisopropyl)ether	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
bis(2-Ethylhexyl)phthalate	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Butylbenzylphthalate	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Chrysene	3.5	ND(0.35)	ND(0.35)	0.11 J	ND(0.36) [ND(0.36)]
Diallate	ND(0.77) J	ND(0.71) J	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73) J]
Dibenzo(a,h)anthracene	0.25 J	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Dibenzofuran	2.4	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Diethylphthalate	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Dimethylphthalate	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Di-n-Butylphthalate	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Di-n-Octylphthalate	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Diphenylamine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-U11 6-10 05/01/03	RAA11-W5 0-1 04/30/03	RAA11-W7 0-1 04/30/03	RAA11-W7 1-3 04/30/03	RAA11-W7 3-6 04/30/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	ND(0.38)	ND(0.35)	ND(0.35) J	ND(0.37) J	ND(0.36) J [ND(0.36)]
Fluoranthene	9.1	ND(0.35)	ND(0.35)	0.15 J	ND(0.36) [ND(0.36)]
Fluorene	3.5	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Hexachlorobenzene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Hexachlorobutadiene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Hexachlorocyclopentadiene	ND(0.38) J	ND(0.35) J	ND(0.35) J	ND(0.37) J	ND(0.36) J [ND(0.36) J]
Hexachloroethane	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Hexachlorophene	ND(0.77) J	ND(0.71) J	ND(0.71) J	ND(0.75) J	ND(0.73) J [ND(0.73) J]
Hexachloropropene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Indeno(1,2,3-cd)pyrene	0.64	ND(0.35)	ND(0.35)	0.12 J	ND(0.36) [ND(0.36)]
Isodrin	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Isophorone	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Isosafrole	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
Methapyrilene	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
Methyl Methanesulfonate	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Naphthalene	2.6	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Nitrobenzene	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
N-Nitrosodiethylamine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
N-Nitrosodimethylamine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
N-Nitroso-di-n-butylamine	ND(0.77) J	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
N-Nitroso-di-n-propylamine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
N-Nitrosodiphenylamine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
N-Nitrosomethylethylamine	ND(0.77)	ND(0.71) J	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
N-Nitrosomorpholine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
N-Nitrosopiperidine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
N-Nitrosopyrrolidine	ND(0.77) J	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
o,o,o-Triethylphosphorothioate	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
o-Toluidine	ND(0.38) J	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36) J]
p-Dimethylaminoazobenzene	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
Pentachlorobenzene	ND(0.38) J	ND(0.35) J	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Pentachloroethane	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Pentachloronitrobenzene	ND(0.77) J	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
Pentachlorophenol	ND(2.0)	ND(1.8)	ND(1.8)	ND(1.9)	ND(1.8) [ND(1.8)]
Phenacetin	ND(0.77)	ND(0.71)	ND(0.71)	ND(0.75)	ND(0.73) [ND(0.73)]
Phenanthrene	12	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Phenol	0.14 J	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Pronamide	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Pyrene	7.0	ND(0.35)	ND(0.35)	0.16 J	ND(0.36) [ND(0.36)]
Pyridine	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Safrole	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
Thionazin	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.36) [ND(0.36)]
<b>Organochlorine Pesticides</b>					
4,4'-DDD	ND(0.016)	NA	NA	NA	NA
4,4'-DDE	ND(0.016)	NA	NA	NA	NA
4,4'-DDT	ND(0.016)	NA	NA	NA	NA
Aldrin	ND(0.0080)	NA	NA	NA	NA
Alpha-BHC	ND(0.0080)	NA	NA	NA	NA
Alpha-Chlordane	ND(0.0080)	NA	NA	NA	NA
Beta-BHC	ND(0.0080)	NA	NA	NA	NA
Delta-BHC	ND(0.0080)	NA	NA	NA	NA
Dieldrin	ND(0.016)	NA	NA	NA	NA
Endosulfan I	ND(0.016)	NA	NA	NA	NA
Endosulfan II	ND(0.016)	NA	NA	NA	NA
Endosulfan Sulfate	ND(0.016)	NA	NA	NA	NA
Endrin	ND(0.016)	NA	NA	NA	NA
Endrin Aldehyde	ND(0.016)	NA	NA	NA	NA
Endrin Ketone	ND(0.016)	NA	NA	NA	NA
Gamma-BHC (Lindane)	ND(0.0080)	NA	NA	NA	NA
Gamma-Chlordane	ND(0.0080)	NA	NA	NA	NA
Heptachlor	ND(0.0080)	NA	NA	NA	NA
Heptachlor Epoxide	ND(0.0080)	NA	NA	NA	NA
Kepone	ND(0.38)	NA	NA	NA	NA
Methoxychlor	ND(0.080)	NA	NA	NA	NA
Technical Chlordane	ND(0.096)	NA	NA	NA	NA
Toxaphene	ND(0.18)	NA	NA	NA	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-U11 6-10 05/01/03	RAA11-W5 0-1 04/30/03	RAA11-W7 0-1 04/30/03	RAA11-W7 1-3 04/30/03	RAA11-W7 3-6 04/30/03
<b>Organophosphate Pesticides</b>					
Dimethoate	ND(2.0)	NA	NA	NA	NA
Disulfoton	ND(0.77)	NA	NA	NA	NA
Ethyl Parathion	ND(0.77)	NA	NA	NA	NA
Famphur	ND(0.38)	NA	NA	NA	NA
Methyl Parathion	ND(0.77)	NA	NA	NA	NA
Phorate	ND(0.77)	NA	NA	NA	NA
Sulfotep	ND(0.77)	NA	NA	NA	NA
<b>Herbicides</b>					
2,4,5-T	ND(0.37)	NA	NA	NA	NA
2,4,5-TP	ND(0.37)	NA	NA	NA	NA
2,4-D	ND(0.80)	NA	NA	NA	NA
Dinoseb	ND(0.38)	NA	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF	ND(0.000016)	0.000013 J	ND(0.000016)	ND(0.000046) X	ND(0.000012) [ND(0.000011)]
TCDFs (total)	ND(0.000016)	ND(0.000015)	ND(0.000016)	0.000025	ND(0.000012) [ND(0.000011)]
1,2,3,7,8-PeCDF	ND(0.000025)	ND(0.000025)	ND(0.000026)	ND(0.000028)	ND(0.000066) X [ND(0.000023)]
2,3,4,7,8-PeCDF	ND(0.000025)	ND(0.000012) X	ND(0.000026)	ND(0.000088) X	ND(0.000082) X [ND(0.000023)]
PeCDFs (total)	ND(0.000025)	0.000013	0.000019	0.000092	ND(0.000022) [ND(0.000023)]
1,2,3,4,7,8-HxCDF	ND(0.000025)	ND(0.000025)	ND(0.000026)	0.000054 J	ND(0.000077) X [ND(0.000023)]
1,2,3,6,7,8-HxCDF	ND(0.000025)	ND(0.000025)	ND(0.000026)	ND(0.000046) X	ND(0.000080) X [ND(0.000023)]
1,2,3,7,8,9-HxCDF	ND(0.000030)	ND(0.000025)	ND(0.000030)	ND(0.000028)	ND(0.000022) [ND(0.000023)]
2,3,4,6,7,8-HxCDF	ND(0.000025)	ND(0.000025)	ND(0.000026)	0.000084 J	0.000068 J [ND(0.000023)]
HxCDFs (total)	ND(0.000025)	0.000010	0.000011	0.00011	0.000014 [ND(0.000023)]
1,2,3,4,6,7,8-HpCDF	ND(0.000025)	ND(0.000025)	ND(0.000031)	0.000018 J	ND(0.000012) X [ND(0.000023)]
1,2,3,4,7,8,9-HpCDF	ND(0.000032)	ND(0.000029)	ND(0.000034)	ND(0.000037)	ND(0.000022) [ND(0.000024)]
HpCDFs (total)	ND(0.000027)	ND(0.000030)	ND(0.000031)	0.000033	ND(0.000022) [ND(0.000023)]
OCDF	ND(0.000066)	ND(0.000050)	ND(0.000066)	ND(0.000010) X	ND(0.000045) [ND(0.000048)]
<b>Dioxins</b>					
2,3,7,8-TCDD	ND(0.000014)	ND(0.000010)	ND(0.000014)	ND(0.000019)	ND(0.000011) [ND(0.0000096)]
TCDDs (total)	ND(0.000036)	ND(0.000037)	ND(0.000038)	ND(0.000031)	ND(0.000030) [ND(0.000031)]
1,2,3,7,8-PeCDD	ND(0.000025)	ND(0.000025)	ND(0.000026)	ND(0.000028)	ND(0.000022) [ND(0.000023)]
PeCDDs (total)	ND(0.000046)	ND(0.000025)	0.000049	ND(0.000028)	ND(0.000039) [ND(0.000037)]
1,2,3,4,7,8-HxCDD	ND(0.000031)	ND(0.000025)	ND(0.000042)	ND(0.000031)	ND(0.000022) [ND(0.000024)]
1,2,3,6,7,8-HxCDD	ND(0.000028)	ND(0.000025)	ND(0.000038)	ND(0.000028)	ND(0.000022) [ND(0.000023)]
1,2,3,7,8,9-HxCDD	ND(0.000031)	ND(0.000025)	ND(0.000042)	ND(0.000031)	ND(0.000022) [ND(0.000024)]
HxCDDs (total)	ND(0.000030)	ND(0.000039)	ND(0.000040)	ND(0.000030)	ND(0.000044) [ND(0.000043)]
1,2,3,4,6,7,8-HpCDD	ND(0.000035)	ND(0.000038)	0.000035 J	0.000087 J	0.000022 J [ND(0.000027)]
HpCDDs (total)	ND(0.000035)	0.000023	0.000059	0.000016	0.000038 [ND(0.000027)]
OCDD	ND(0.000073) X	ND(0.000012)	ND(0.000020)	0.000045 J	ND(0.000013) [ND(0.000066)]
Total TEQs (WHO TEFs)	0.000037	0.000032	0.000040	0.000073	0.000026 [0.000032]
<b>Inorganics</b>					
Antimony	ND(6.0)	ND(6.00)	ND(6.00)	1.10 B	1.00 B [ND(10.0)]
Arsenic	4.60	3.90	3.50	6.30	6.90 [6.40]
Barium	38.0	40.0	9.70 B	40.0	28.0 [22.0]
Beryllium	0.220 B	0.140 B	0.0710 B	0.110 B	0.200 B [0.150 B]
Cadmium	0.160 B	0.260 B	0.0990 B	0.280 B	0.280 B [0.250 B]
Chromium	5.80	5.00	4.20	8.20	9.00 [8.00]
Cobalt	6.60	6.30	4.80 B	7.30	8.60 [8.30]
Copper	12.0	11.0	9.40	30.0	19.0 [18.0]
Cyanide	ND(0.570) J	ND(0.210)	ND(0.100)	0.180	0.0500 B [0.0680 B]
Lead	23.0	19.0	6.80	62.0	25.0 [34.0]
Mercury	0.260 J	0.0180 B	ND(0.100)	0.170	0.0450 B [0.0450 B]
Nickel	10.0	15.0	9.00	12.0	16.0 [15.0]
Selenium	ND(1.00) J	ND(1.00) J	0.850 J	0.850 J	1.80 J [ND(1.00) J]
Silver	ND(1.00)	0.160 B	ND(1.00)	0.200 B	0.180 B [ND(6.00)]
Sulfide	46.0 J	17.0 J	6.80 J	23.0 J	22.0 J [20.0 J]
Thallium	ND(1.10) J	ND(1.10) J	ND(1.00) J	ND(1.10) J	ND(1.10) J [ND(1.10) J]
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0) [ND(10.0)]
Vanadium	7.20	6.50	4.10 B	7.20	8.60 [7.20]
Zinc	50.0	36.0	24.0	63.0	54.0 [46.0]

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-W7 4-6 04/30/03	RAA11-W7 10-12 04/30/03	RAA11-W7 10-15 04/30/03	RAA11-W11 0-1 05/02/03	RAA11-W11 1-3 05/02/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,1,1-Trichloroethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,1,2,2-Tetrachloroethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,1,2-Trichloroethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,1-Dichloroethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,1-Dichloroethene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,2,3-Trichloropropane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,2-Dibromo-3-chloropropane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,2-Dibromoethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,2-Dichloroethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,2-Dichloropropane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
1,4-Dioxane	ND(0.11) J [ND(0.11) J]	ND(0.12) J	NA	ND(0.11) J	ND(0.11) J
2-Butanone	ND(0.011) [ND(0.011)]	ND(0.012)	NA	ND(0.011)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
2-Chloroethylvinylether	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
2-Hexanone	ND(0.011) [ND(0.011)]	ND(0.012)	NA	ND(0.011)	ND(0.011)
3-Chloropropene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
4-Methyl-2-pentanone	ND(0.011) [ND(0.011)]	ND(0.012)	NA	ND(0.011)	ND(0.011)
Acetone	ND(0.021) J [ND(0.022) J]	ND(0.024) J	NA	ND(0.022) J	ND(0.022) J
Acetonitrile	ND(0.11) J [ND(0.11) J]	ND(0.12) J	NA	ND(0.11) J	ND(0.11) J
Acrolein	ND(0.11) J [ND(0.11) J]	ND(0.12) J	NA	ND(0.11) J	ND(0.11) J
Acrylonitrile	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Benzene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Bromodichloromethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Bromoform	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Bromomethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Carbon Disulfide	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Carbon Tetrachloride	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Chlorobenzene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Chloroethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Chloroform	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Chloromethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
cis-1,3-Dichloropropene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Dibromochloromethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Dibromomethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Dichlorodifluoromethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Ethyl Methacrylate	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Ethylbenzene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Iodomethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Isobutanol	ND(0.11) J [ND(0.11) J]	ND(0.12) J	NA	ND(0.11) J	ND(0.11) J
Methacrylonitrile	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Methyl Methacrylate	ND(0.0053) J [ND(0.0054) J]	ND(0.0059) J	NA	ND(0.0056)	ND(0.0055)
Methylene Chloride	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Propionitrile	ND(0.011) J [ND(0.011) J]	ND(0.012) J	NA	ND(0.011) J	ND(0.011) J
Styrene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Tetrachloroethene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	0.0049 J	ND(0.0055)
Toluene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
trans-1,2-Dichloroethene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
trans-1,3-Dichloropropene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
trans-1,4-Dichloro-2-butene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Trichloroethene	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Trichlorofluoromethane	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Vinyl Acetate	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Vinyl Chloride	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
Xylenes (total)	ND(0.0053) [ND(0.0054)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0055)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
1,2,4-Trichlorobenzene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
1,2-Dichlorobenzene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
1,2-Diphenylhydrazine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
1,3,5-Trinitrobenzene	NA	NA	ND(0.38)	ND(0.38) J	ND(0.37) J
1,3-Dichlorobenzene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
1,3-Dinitrobenzene	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
1,4-Dichlorobenzene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
1,4-Naphthoquinone	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-W7 4-6 04/30/03	RAA11-W7 10-12 04/30/03	RAA11-W7 10-15 04/30/03	RAA11-W11 0-1 05/02/03	RAA11-W11 1-3 05/02/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
2,3,4,6-Tetrachlorophenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2,4,5-Trichlorophenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2,4,6-Trichlorophenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2,4-Dichlorophenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2,4-Dimethylphenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2,4-Dinitrophenol	NA	NA	ND(1.9) J	ND(1.9)	ND(1.9)
2,4-Dinitrotoluene	NA	NA	ND(0.38)	ND(0.38) J	ND(0.37) J
2,6-Dichlorophenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2,6-Dinitrotoluene	NA	NA	ND(0.38)	ND(0.38) J	ND(0.37) J
2-Acetylaminofluorene	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
2-Chloronaphthalene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2-Chlorophenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2-Methylnaphthalene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2-Methylphenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
2-Naphthylamine	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
2-Nitroaniline	NA	NA	ND(1.9)	ND(1.9) J	ND(1.9) J
2-Nitrophenol	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
2-Picoline	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
3&4-Methylphenol	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
3,3'-Dichlorobenzidine	NA	NA	ND(0.76)	ND(0.76) J	ND(0.74) J
3,3'-Dimethylbenzidine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
3-Methylcholanthrene	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
3-Nitroaniline	NA	NA	ND(1.9)	ND(1.9) J	ND(1.9) J
4,6-Dinitro-2-methylphenol	NA	NA	ND(0.38)	ND(0.38) J	ND(0.37) J
4-Aminobiphenyl	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
4-Bromophenyl-phenylether	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
4-Chloro-3-Methylphenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
4-Chloroaniline	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
4-Chlorobenzilate	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
4-Chlorophenyl-phenylether	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
4-Nitroaniline	NA	NA	ND(1.9)	ND(1.9) J	ND(1.9) J
4-Nitrophenol	NA	NA	ND(1.9) J	ND(1.9) J	ND(1.9) J
4-Nitroquinoline-1-oxide	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
4-Phenylenediamine	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
5-Nitro-o-toluidine	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
7,12-Dimethylbenz(a)anthracene	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
a,a'-Dimethylphenethylamine	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
Acenaphthene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Acenaphthylene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Acetophenone	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Aniline	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Anthracene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Aramite	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
Benzidine	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
Benzo(a)anthracene	NA	NA	ND(0.38)	0.14 J	ND(0.37)
Benzo(a)pyrene	NA	NA	ND(0.38)	0.16 J	ND(0.37)
Benzo(b)fluoranthene	NA	NA	ND(0.38)	0.075 J	ND(0.37)
Benzo(g,h,i)perylene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Benzo(k)fluoranthene	NA	NA	ND(0.38)	0.17 J	ND(0.37)
Benzyl Alcohol	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
bis(2-Chloroethoxy)methane	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
bis(2-Chloroethyl)ether	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
bis(2-Chloroisopropyl)ether	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.38)	ND(0.37) J	ND(0.36) J
Butylbenzylphthalate	NA	NA	ND(0.38)	ND(0.38) J	ND(0.37) J
Chrysene	NA	NA	ND(0.38)	0.14 J	ND(0.37)
Diallate	NA	NA	ND(0.76) J	ND(0.76)	ND(0.74)
Dibenzo(a,h)anthracene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Dibenzofuran	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Diethylphthalate	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Dimethylphthalate	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Di-n-Butylphthalate	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Di-n-Octylphthalate	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Diphenylamine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-W7 4-6 04/30/03	RAA11-W7 10-12 04/30/03	RAA11-W7 10-15 04/30/03	RAA11-W11 0-1 05/02/03	RAA11-W11 1-3 05/02/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Fluoranthene	NA	NA	ND(0.38)	0.23 J	ND(0.37)
Fluorene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Hexachlorobenzene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Hexachlorobutadiene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Hexachlorocyclopentadiene	NA	NA	ND(0.38) J	ND(0.38)	ND(0.37)
Hexachloroethane	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Hexachlorophene	NA	NA	ND(0.76) J	ND(0.76) J	ND(0.74) J
Hexachloropropene	NA	NA	ND(0.38)	ND(0.38) J	ND(0.37) J
Indeno(1,2,3-cd)pyrene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Isodrin	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Isophorone	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Isosafrole	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
Methapyrilene	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
Methyl Methanesulfonate	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Naphthalene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Nitrobenzene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
N-Nitrosodiethylamine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
N-Nitrosodimethylamine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
N-Nitroso-di-n-butylamine	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
N-Nitroso-di-n-propylamine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
N-Nitrosodiphenylamine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
N-Nitrosomethylethylamine	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
N-Nitrosomorpholine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
N-Nitrosopiperidine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
N-Nitrosopyrrolidine	NA	NA	ND(0.76)	ND(0.76) J	ND(0.74) J
o,o,o-Triethylphosphorothioate	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
o-Toluidine	NA	NA	ND(0.38) J	ND(0.38)	ND(0.37)
p-Dimethylaminoazobenzene	NA	NA	ND(0.76)	ND(0.76) J	ND(0.74) J
Pentachlorobenzene	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Pentachloroethane	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Pentachloronitrobenzene	NA	NA	ND(0.76)	ND(0.76) J	ND(0.74) J
Pentachlorophenol	NA	NA	ND(1.9)	ND(1.9)	ND(1.9)
Phenacetin	NA	NA	ND(0.76)	ND(0.76)	ND(0.74)
Phenanthrene	NA	NA	ND(0.38)	0.10 J	ND(0.37)
Phenol	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Pronamide	NA	NA	ND(0.38)	ND(0.38) J	ND(0.37) J
Pyrene	NA	NA	ND(0.38)	0.75	ND(0.37)
Pyridine	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Safrole	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
Thionazin	NA	NA	ND(0.38)	ND(0.38)	ND(0.37)
<b>Organochlorine Pesticides</b>					
4,4'-DDD	NA	NA	NA	ND(0.016)	ND(0.016)
4,4'-DDE	NA	NA	NA	ND(0.016)	ND(0.016)
4,4'-DDT	NA	NA	NA	ND(0.016)	ND(0.016)
Aldrin	NA	NA	NA	ND(0.0080)	ND(0.0080)
Alpha-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)
Alpha-Chlordane	NA	NA	NA	ND(0.0080)	ND(0.0080)
Beta-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)
Delta-BHC	NA	NA	NA	ND(0.0080)	ND(0.0080)
Dieldrin	NA	NA	NA	ND(0.016)	ND(0.016)
Endosulfan I	NA	NA	NA	ND(0.016)	ND(0.016)
Endosulfan II	NA	NA	NA	ND(0.016)	ND(0.016)
Endosulfan Sulfate	NA	NA	NA	ND(0.016)	ND(0.016)
Endrin	NA	NA	NA	ND(0.016)	ND(0.016)
Endrin Aldehyde	NA	NA	NA	ND(0.016)	ND(0.016)
Endrin Ketone	NA	NA	NA	ND(0.016)	ND(0.016)
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.0080)	ND(0.0080)
Gamma-Chlordane	NA	NA	NA	ND(0.0080)	ND(0.0080)
Heptachlor	NA	NA	NA	ND(0.0080)	ND(0.0080)
Heptachlor Epoxide	NA	NA	NA	ND(0.0080)	ND(0.0080)
Kepone	NA	NA	NA	ND(0.38)	ND(0.37)
Methoxychlor	NA	NA	NA	ND(0.080)	ND(0.080)
Technical Chlordane	NA	NA	NA	ND(0.094)	ND(0.092)
Toxaphene	NA	NA	NA	ND(0.18)	ND(0.18)

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-W7 4-6 04/30/03	RAA11-W7 10-12 04/30/03	RAA11-W7 10-15 04/30/03	RAA11-W11 0-1 05/02/03	RAA11-W11 1-3 05/02/03
<b>Organophosphate Pesticides</b>					
Dimethoate	NA	NA	NA	ND(1.9)	ND(1.9)
Disulfoton	NA	NA	NA	ND(0.76)	ND(0.74)
Ethyl Parathion	NA	NA	NA	ND(0.76)	ND(0.74)
Famphur	NA	NA	NA	ND(0.38)	ND(0.37)
Methyl Parathion	NA	NA	NA	ND(0.76)	ND(0.74)
Phorate	NA	NA	NA	ND(0.76)	ND(0.74)
Sulfotep	NA	NA	NA	ND(0.76)	ND(0.74)
<b>Herbicides</b>					
2,4,5-T	NA	NA	NA	ND(0.36)	ND(0.35)
2,4,5-TP	NA	NA	NA	ND(0.36)	ND(0.35)
2,4-D	NA	NA	NA	ND(0.80)	ND(0.80)
Dinoseb	NA	NA	NA	ND(0.38)	ND(0.37)
<b>Furans</b>					
2,3,7,8-TCDF	NA	NA	ND(0.000012)	0.000094 Y	0.000018 J
TCDFs (total)	NA	NA	ND(0.000012)	0.000040	0.000018
1,2,3,7,8-PeCDF	NA	NA	ND(0.000028)	ND(0.000028) X	ND(0.000025)
2,3,4,7,8-PeCDF	NA	NA	ND(0.000028)	ND(0.000034) X	ND(0.0000086) X
PeCDFs (total)	NA	NA	ND(0.000028)	0.000022	ND(0.000025)
1,2,3,4,7,8-HxCDF	NA	NA	ND(0.000028)	0.000027 J	ND(0.000025)
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.000028)	ND(0.000026) X	ND(0.000025)
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.000028)	0.000031 J	ND(0.000025)
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.000028)	0.000025 J	ND(0.000025)
HxCDFs (total)	NA	NA	ND(0.000028)	0.000016	ND(0.000025)
1,2,3,4,6,7,8-HpCDF	NA	NA	ND(0.000028)	0.000056 J	ND(0.000025)
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.000028)	0.000031 J	ND(0.000032)
HpCDFs (total)	NA	NA	ND(0.000028)	0.000087	ND(0.000027)
OCDF	NA	NA	ND(0.000055)	0.000092 J	ND(0.000076)
<b>Dioxins</b>					
2,3,7,8-TCDD	NA	NA	ND(0.000012)	ND(0.000013)	ND(0.000013)
TCDDs (total)	NA	NA	ND(0.000039)	ND(0.000028)	ND(0.000030)
1,2,3,7,8-PeCDD	NA	NA	ND(0.000028)	ND(0.000019) X	ND(0.000025)
PeCDDs (total)	NA	NA	ND(0.000050)	ND(0.000039)	ND(0.000041)
1,2,3,4,7,8-HxCDD	NA	NA	ND(0.000028)	ND(0.000020)	ND(0.000025)
1,2,3,6,7,8-HxCDD	NA	NA	ND(0.000028)	ND(0.000012) X	ND(0.000025)
1,2,3,7,8,9-HxCDD	NA	NA	ND(0.000028)	0.000018 J	ND(0.000025)
HxCDDs (total)	NA	NA	ND(0.000028)	0.000049	ND(0.000043)
1,2,3,4,6,7,8-HpCDD	NA	NA	ND(0.000024) X	0.000053 J	ND(0.000032)
HpCDDs (total)	NA	NA	ND(0.000028)	0.000086	ND(0.000032)
OCDD	NA	NA	ND(0.000011)	0.000021 J	0.000084 J
Total TEQs (WHO TEFs)	NA	NA	0.000039	0.000049	0.000033
<b>Inorganics</b>					
Antimony	NA	NA	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	NA	NA	5.60	5.40	4.40
Barium	NA	NA	22.0	39.0	27.0
Beryllium	NA	NA	0.180 B	0.190 B	0.220 B
Cadmium	NA	NA	0.330 B	0.240 B	0.160 B
Chromium	NA	NA	7.00	7.40	6.50
Cobalt	NA	NA	7.60	6.80	8.60
Copper	NA	NA	13.0	23.0	20.0
Cyanide	NA	NA	ND(0.570)	0.160	0.0310 B
Lead	NA	NA	4.80	75.0	13.0
Mercury	NA	NA	ND(0.110)	0.400	0.0440 B
Nickel	NA	NA	14.0	11.0	14.0
Selenium	NA	NA	ND(1.00) J	ND(1.00)	ND(1.00)
Silver	NA	NA	0.140 B	ND(1.00)	ND(1.00)
Sulfide	NA	NA	24.0 J	9.00 J	18.0 J
Thallium	NA	NA	ND(1.10) J	ND(1.10) J	ND(1.10) J
Tin	NA	NA	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	NA	NA	6.90	6.80	6.50
Zinc	NA	NA	42.0	77.0	44.0

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-W11 3-6 05/02/03	RAA11-W11 4-6 05/02/03	RAA11-W11 10-15 05/02/03	RAA11-W11 12-14 05/02/03
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,1,1-Trichloroethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,1,2,2-Tetrachloroethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,1,2-Trichloroethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,1-Dichloroethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,1-Dichloroethene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,2,3-Trichloropropane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,2-Dibromo-3-chloropropane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,2-Dibromoethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,2-Dichloroethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,2-Dichloropropane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
1,4-Dioxane		NA	ND(0.10) J	NA	ND(0.11) J [ND(0.11) J]
2-Butanone		NA	ND(0.010)	NA	ND(0.011) [ND(0.011)]
2-Chloro-1,3-butadiene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
2-Chloroethylvinylether		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
2-Hexanone		NA	ND(0.010)	NA	ND(0.011) [ND(0.011)]
3-Chloropropene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
4-Methyl-2-pentanone		NA	ND(0.010)	NA	ND(0.011) [ND(0.011)]
Acetone		NA	ND(0.020) J	NA	ND(0.023) J [ND(0.022) J]
Acetonitrile		NA	ND(0.10) J	NA	ND(0.11) J [ND(0.11) J]
Acrolein		NA	ND(0.10) J	NA	ND(0.11) J [ND(0.11) J]
Acrylonitrile		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Benzene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Bromodichloromethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Bromoform		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Bromomethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Carbon Disulfide		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Carbon Tetrachloride		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Chlorobenzene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Chloroethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Chloroform		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Chloromethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
cis-1,3-Dichloropropene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Dibromochloromethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Dibromomethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Dichlorodifluoromethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Ethyl Methacrylate		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Ethylbenzene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Iodomethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Isobutanol		NA	ND(0.10) J	NA	ND(0.11) J [ND(0.11) J]
Methacrylonitrile		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Methyl Methacrylate		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Methylene Chloride		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Propionitrile		NA	ND(0.010) J	NA	ND(0.011) J [ND(0.011) J]
Styrene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Tetrachloroethene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Toluene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
trans-1,2-Dichloroethene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
trans-1,3-Dichloropropene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
trans-1,4-Dichloro-2-butene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Trichloroethene		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Trichlorofluoromethane		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Vinyl Acetate		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Vinyl Chloride		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
Xylenes (total)		NA	ND(0.0051)	NA	ND(0.0057) [ND(0.0055)]
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
1,2,4-Trichlorobenzene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
1,2-Dichlorobenzene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
1,2-Diphenylhydrazine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
1,3,5-Trinitrobenzene		ND(0.34) J	NA	ND(0.37) J [ND(0.37) J]	NA
1,3-Dichlorobenzene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
1,3-Dinitrobenzene		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
1,4-Dichlorobenzene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
1,4-Naphthoquinone		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA

**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-W11 3-6 05/02/03	RAA11-W11 4-6 05/02/03	RAA11-W11 10-15 05/02/03	RAA11-W11 12-14 05/02/03
<b>Semivolatile Organics (continued)</b>					
1-Naphthylamine		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
2,3,4,6-Tetrachlorophenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2,4,5-Trichlorophenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2,4,6-Trichlorophenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2,4-Dichlorophenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2,4-Dimethylphenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2,4-Dinitrophenol		ND(1.8)	NA	ND(1.9) [ND(1.9)]	NA
2,4-Dinitrotoluene		ND(0.34) J	NA	ND(0.37) J [ND(0.37) J]	NA
2,6-Dichlorophenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2,6-Dinitrotoluene		ND(0.34) J	NA	ND(0.37) J [ND(0.37) J]	NA
2-Acetylaminofluorene		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
2-Chloronaphthalene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2-Chlorophenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2-Methylnaphthalene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2-Methylphenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
2-Naphthylamine		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
2-Nitroaniline		ND(1.8) J	NA	ND(1.9) J [ND(1.9) J]	NA
2-Nitrophenol		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
2-Picoline		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
3&4-Methylphenol		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
3,3'-Dichlorobenzidine		ND(0.69) J	NA	ND(0.74) J [ND(0.74) J]	NA
3,3'-Dimethylbenzidine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
3-Methylcholanthrene		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
3-Nitroaniline		ND(1.8) J	NA	ND(1.9) J [ND(1.9) J]	NA
4,6-Dinitro-2-methylphenol		ND(0.34) J	NA	ND(0.37) J [ND(0.37) J]	NA
4-Aminobiphenyl		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
4-Bromophenyl-phenylether		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
4-Chloro-3-Methylphenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
4-Chloroaniline		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
4-Chlorobenzilate		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
4-Chlorophenyl-phenylether		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
4-Nitroaniline		ND(1.8) J	NA	ND(1.9) J [ND(1.9) J]	NA
4-Nitrophenol		ND(1.8) J	NA	ND(1.9) J [ND(1.9) J]	NA
4-Nitroquinoline-1-oxide		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
4-Phenylenediamine		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
5-Nitro-o-toluidine		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
7,12-Dimethylbenz(a)anthracene		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
a,a'-Dimethylphenethylamine		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
Acenaphthene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Acenaphthylene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Acetophenone		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Aniline		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Anthracene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Aramite		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
Benzidine		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
Benzo(a)anthracene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Benzo(a)pyrene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Benzo(b)fluoranthene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Benzo(g,h,i)perylene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Benzo(k)fluoranthene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Benzyl Alcohol		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
bis(2-Chloroethoxy)methane		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
bis(2-Chloroethyl)ether		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
bis(2-Chloroisopropyl)ether		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
bis(2-Ethylhexyl)phthalate		ND(0.34) J	NA	ND(0.36) J [ND(0.36) J]	NA
Butylbenzylphthalate		ND(0.34) J	NA	ND(0.37) J [ND(0.37) J]	NA
Chrysene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Diallate		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
Dibenzo(a,h)anthracene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Dibenzofuran		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Diethylphthalate		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Dimethylphthalate		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Di-n-Butylphthalate		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Di-n-Octylphthalate		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Diphenylamine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA



**TABLE B-1**  
**PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 SOIL ANALYTICAL RESULTS**  
**PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS A AND C REMOVAL ACTION**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA11-W11 3-6 05/02/03	RAA11-W11 4-6 05/02/03	RAA11-W11 10-15 05/02/03	RAA11-W11 12-14 05/02/03
<b>Semivolatile Organics (continued)</b>					
Ethyl Methanesulfonate		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Fluoranthene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Fluorene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Hexachlorobenzene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Hexachlorobutadiene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Hexachlorocyclopentadiene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Hexachloroethane		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Hexachlorophene		ND(0.69) J	NA	ND(0.74) J [ND(0.74) J]	NA
Hexachloropropene		ND(0.34) J	NA	ND(0.37) J [ND(0.37) J]	NA
Indeno(1,2,3-cd)pyrene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Isodrin		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Isophorone		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Isosafrole		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
Methapyrilene		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
Methyl Methanesulfonate		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Naphthalene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Nitrobenzene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
N-Nitrosodiethylamine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
N-Nitrosodimethylamine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
N-Nitroso-di-n-butylamine		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
N-Nitroso-di-n-propylamine		ND(0.34) J	NA	ND(0.37) [ND(0.37)]	NA
N-Nitrosodiphenylamine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
N-Nitrosomethylethylamine		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
N-Nitrosomorpholine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
N-Nitrosopiperidine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
N-Nitrosopyrrolidine		ND(0.69) J	NA	ND(0.74) J [ND(0.74) J]	NA
o,o,o-Triethylphosphorothioate		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
o-Toluidine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
p-Dimethylaminoazobenzene		ND(0.69) J	NA	ND(0.74) J [ND(0.74) J]	NA
Pentachlorobenzene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Pentachloroethane		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Pentachloronitrobenzene		ND(0.69) J	NA	ND(0.74) J [ND(0.74) J]	NA
Pentachlorophenol		ND(1.8)	NA	ND(1.9) [ND(1.9)]	NA
Phenacetin		ND(0.69)	NA	ND(0.74) [ND(0.74)]	NA
Phenanthrene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Phenol		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Pronamide		ND(0.34) J	NA	ND(0.37) J [ND(0.37) J]	NA
Pyrene		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Pyridine		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Safrole		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
Thionazin		ND(0.34)	NA	ND(0.37) [ND(0.37)]	NA
<b>Organochlorine Pesticides</b>					
4,4'-DDD		ND(0.016)	NA	NA	NA
4,4'-DDE		ND(0.016)	NA	NA	NA
4,4'-DDT		ND(0.016)	NA	NA	NA
Aldrin		ND(0.0080)	NA	NA	NA
Alpha-BHC		ND(0.0080)	NA	NA	NA
Alpha-Chlordane		ND(0.0080)	NA	NA	NA
Beta-BHC		ND(0.0080)	NA	NA	NA
Delta-BHC		ND(0.0080)	NA	NA	NA
Dieldrin		ND(0.016)	NA	NA	NA
Endosulfan I		ND(0.016)	NA	NA	NA
Endosulfan II		ND(0.016)	NA	NA	NA
Endosulfan Sulfate		ND(0.016)	NA	NA	NA
Endrin		ND(0.016)	NA	NA	NA
Endrin Aldehyde		ND(0.016)	NA	NA	NA
Endrin Ketone		ND(0.016)	NA	NA	NA
Gamma-BHC (Lindane)		ND(0.0080)	NA	NA	NA
Gamma-Chlordane		ND(0.0080)	NA	NA	NA
Heptachlor		ND(0.0080)	NA	NA	NA
Heptachlor Epoxide		ND(0.0080)	NA	NA	NA
Kepone		ND(0.34)	NA	NA	NA
Methoxychlor		ND(0.080)	NA	NA	NA
Technical Chlordane		ND(0.086)	NA	NA	NA
Toxaphene		ND(0.16)	NA	NA	NA

**TABLE B-1**  
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**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA11-W11 3-6 05/02/03	RAA11-W11 4-6 05/02/03	RAA11-W11 10-15 05/02/03	RAA11-W11 12-14 05/02/03
<b>Organophosphate Pesticides</b>				
Dimethoate	ND(1.8)	NA	NA	NA
Disulfoton	ND(0.69)	NA	NA	NA
Ethyl Parathion	ND(0.69)	NA	NA	NA
Famphur	ND(0.34)	NA	NA	NA
Methyl Parathion	ND(0.69)	NA	NA	NA
Phorate	ND(0.69)	NA	NA	NA
Sulfotep	ND(0.69)	NA	NA	NA
<b>Herbicides</b>				
2,4,5-T	ND(0.33)	NA	NA	NA
2,4,5-TP	ND(0.33)	NA	NA	NA
2,4-D	ND(0.80)	NA	NA	NA
Dinoseb	ND(0.34)	NA	NA	NA
<b>Furans</b>				
2,3,7,8-TCDF	ND(0.000010)	NA	ND(0.000012) [ND(0.000024)]	NA
TCDFs (total)	ND(0.000010)	NA	ND(0.000012) [ND(0.000024)]	NA
1,2,3,7,8-PeCDF	ND(0.000018)	NA	ND(0.000023) [ND(0.000025)]	NA
2,3,4,7,8-PeCDF	ND(0.000018)	NA	ND(0.000023) [ND(0.000025)]	NA
PeCDFs (total)	ND(0.000018)	NA	ND(0.000023) [ND(0.000025)]	NA
1,2,3,4,7,8-HxCDF	ND(0.000018)	NA	ND(0.000023) [ND(0.000025)]	NA
1,2,3,6,7,8-HxCDF	ND(0.000018)	NA	ND(0.000023) [ND(0.000025)]	NA
1,2,3,7,8,9-HxCDF	ND(0.000019)	NA	ND(0.000023) [ND(0.000025)]	NA
2,3,4,6,7,8-HxCDF	ND(0.000018)	NA	ND(0.000023) [ND(0.000025)]	NA
HxCDFs (total)	ND(0.000018)	NA	ND(0.000023) [ND(0.000025)]	NA
1,2,3,4,6,7,8-HpCDF	ND(0.000020)	NA	ND(0.000023) [ND(0.000025)]	NA
1,2,3,4,7,8,9-HpCDF	ND(0.000026)	NA	ND(0.000029) [ND(0.000030)]	NA
HpCDFs (total)	ND(0.000022)	NA	ND(0.000024) [ND(0.000025)]	NA
OCDF	ND(0.000072)	NA	ND(0.000085) [ND(0.00011)]	NA
<b>Dioxins</b>				
2,3,7,8-TCDD	ND(0.000010)	NA	ND(0.000012) [ND(0.000023)]	NA
TCDDs (total)	ND(0.000028)	NA	ND(0.000026) [ND(0.000031)]	NA
1,2,3,7,8-PeCDD	ND(0.000018)	NA	ND(0.000023) [ND(0.000029)]	NA
PeCDDs (total)	ND(0.000028)	NA	ND(0.000033) [ND(0.000033)]	NA
1,2,3,4,7,8-HxCDD	ND(0.000029)	NA	ND(0.000023) [ND(0.000030)]	NA
1,2,3,6,7,8-HxCDD	ND(0.000026)	NA	ND(0.000023) [ND(0.000027)]	NA
1,2,3,7,8,9-HxCDD	ND(0.000029)	NA	ND(0.000023) [ND(0.000029)]	NA
HxCDDs (total)	ND(0.000028)	NA	ND(0.000042) [ND(0.000037)]	NA
1,2,3,4,6,7,8-HpCDD	ND(0.000029)	NA	ND(0.000035) [ND(0.000043)]	NA
HpCDDs (total)	ND(0.000029)	NA	ND(0.000035) [ND(0.000043)]	NA
OCDD	ND(0.000078) X	NA	0.000095 J [ND(0.00011)]	NA
Total TEQs (WHO TEFs)	0.000028	NA	0.000033 [0.000044]	NA
<b>Inorganics</b>				
Antimony	ND(6.00)	NA	ND(6.00) [ND(6.00)]	NA
Arsenic	5.60	NA	6.90 [8.60]	NA
Barium	29.0	NA	16.0 B [24.0]	NA
Beryllium	0.190 B	NA	0.130 B [0.140 B]	NA
Cadmium	0.170 B	NA	0.150 B [0.150 B]	NA
Chromium	8.30	NA	8.20 [9.60]	NA
Cobalt	12.0	NA	11.0 [12.0]	NA
Copper	33.0	NA	30.0 [34.0]	NA
Cyanide	ND(0.100)	NA	ND(0.110) [0.0280 B]	NA
Lead	10.0	NA	7.90 [8.40]	NA
Mercury	ND(0.100)	NA	ND(0.110) [ND(0.110)]	NA
Nickel	18.0	NA	17.0 [20.0]	NA
Selenium	ND(1.00)	NA	ND(1.00) [ND(1.00)]	NA
Silver	ND(1.00)	NA	ND(1.00) [ND(1.00)]	NA
Sulfide	16.0 J	NA	16.0 J [42.0 J]	NA
Thallium	ND(1.00) J	NA	ND(1.10) J [ND(1.10) J]	NA
Tin	ND(10.0)	NA	ND(10.0) [ND(10.0)]	NA
Vanadium	6.00	NA	5.70 [6.70]	NA
Zinc	48.0	NA	47.0 [56.0]	NA

**TABLE B-1**  
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**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**(Results are presented in dry weight parts per million, ppm)**

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved November 4, 2002 and resubmitted December 10, 2002).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, semivolatiles, pesticides, herbicides, dioxin/furans)

- E - Analyte exceeded calibration range.
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- J - Indicates that the associated numerical value is an estimated concentration.
- R - Data was rejected due to a deficiency in the data generation process.
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- J - Indicates that the associated numerical value is an estimated concentration.